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UNIVERSITY OF ILLINOIS CIRCULAR

COLLEGE OF DENTISTRY

Announcement for 1938-1939



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UNIVERSITY OF ILLINOIS

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CHICAGO

UNIVERSITY OF ILLINOIS CIRCULAR

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CONTENTS

	PAGE
College Calendar.....	4
Board of Trustees.....	5
Officers of Administration.....	6
Committees.....	6
Faculty.....	7
Location.....	11
Buildings.....	11
Infirmaries.....	11
Library.....	11
General Plan of Instruction.....	11
Requirements for Admission.....	12
Admission to Advanced Standing.....	13
Admission of Unclassified Students.....	14
Requirements for Graduation.....	14
Graduate Courses.....	14
Special Courses for Dentists.....	14
Summer Courses.....	15
Fees.....	15
Expenses.....	16
Physical Examinations.....	17
Scholarships.....	17
Loan Funds.....	18
Honorary Research Assistantships.....	18
Licenses to Practice in England.....	18
Courses Offered in the College of Dentistry.....	19
Anatomy.....	19
Dental Jurisprudence.....	20
Dental Pathology and Therapeutics.....	20
Dentistry for Children.....	21
Diagnosis.....	22
Histology and Embryology.....	22
Medical and Dental History.....	23
Medicine.....	23
Operative Dentistry.....	24
Oral and Plastic Surgery and Oral Pathology.....	25
Orthodontia.....	26
Pathology and Bacteriology.....	27
Physiological Chemistry and Metallurgy.....	27
Physiology.....	28
Prosthetic Dentistry.....	29
Roentgenology.....	31
Provisional Summary of Clock Hours.....	32
Register of Students.....	33
Degrees Conferred.....	34
Alumni Association.....	35
The Graduate School.....	37

COLLEGE CALENDAR

1938

First Semester

Sept. 19-24, Monday-Saturday.....Special examinations.
Sept. 26, Monday, 8 A.M. to 5 P.M.....Registration and payment of fees.
Sept. 27, Tuesday, 8 A.M.....Instruction begun.
Nov. 24, Thursday.....Thanksgiving Day.
Dec. 24, Saturday, 5 P.M.....Holiday recess begun.

1939

Jan. 9, Monday, 8 A.M.....Instruction resumed.
Jan. 26, Thursday.....Examinations begun.

Second Semester

Feb. 6, Monday, 8 A.M. to 5 P.M.....Registration and payment of fees.
Feb. 7, Tuesday, 8 A.M.....Instruction begun.
April 6, Thursday, 5 P.M.....Easter recess begun.
April 10, Monday, 8 A.M.....Instruction resumed.
May 24, Wednesday.....Examinations begun.
May 30, Tuesday.....Memorial Day.
June 7, Wednesday.....Class day and alumni meeting.
June 9, Friday.....Commencement exercises.

Summer Session

June 12, Monday.....Summer courses begun.
Sept. 23, Saturday.....Summer courses ended.

UNIVERSITY OF ILLINOIS
BOARD OF TRUSTEES

MEMBERS EX OFFICIO

HENRY HORNER, *Governor of Illinois*.....Springfield
JOHN A. WIELAND, *Superintendent of Public Instruction*.....Springfield

ELECTED MEMBERS

(Term 1933-1939)

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Dr. KARL A. MEYER.....Cook County Hospital, Chicago

(Term 1935-1941)

OSCAR G. MAYER.....1241 Sedgwick Street, Chicago
Mrs. GLENN E. PLUMB.....4816 Dorchester Avenue, Chicago
HAROLD A. POGUE.....617 West Decatur Street, Decatur

(Term 1937-1943)

HOMER MAT ADAMS.....509 Illinois Building, Springfield
JAMES M. CLEARY.....310 South Michigan Avenue, Chicago
LOUIS C. MOSCHEL.....P. O. Box 146, Pekin

Officers of the Board

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HARRISON E. CUNNINGHAM, *Secretary*.....Urbana
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LLOYD MOREY, *Comptroller*.....Urbana

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Mrs. GLENN E. PLUMB (Chairman), Dr. KARL A. MEYER,
JAMES M. CLEARY

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ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., LL.D., *Dean of the College of Dentistry*

NELL SNOW TALBOT, A.M., *Assistant to the Dean*

LLOYD MOREY, A.B., B.Mus., LL.D., C.P.A., *Comptroller, Urbana*

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COMMITTEES

University Committees for the Chicago Professional Schools

Health Service.—W. W. DALITSCH (Chairman), A. H. CLARK, R. L. LADD.

Library.—O. F. KAMPMEIER (Chairman), O. BERGEIM, B. FANTUS, F. K. HICK, R. G. KESEL, E. OLDBERG, W. F. PETERSEN, I. SCHOUR, P. L. SCHROEDER, E. GELLHORN, WILMA A. TROXEL.

Policy and Discipline.—D. J. DAVIS (Chairman), W. B. DAY, F. B. NOYES.

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Assembly and Social Functions.—NELL S. TALBOT (Chairman), F. B. MOOREHEAD, M. K. HINE.

Awards.—F. B. MOOREHEAD (Chairman), F. B. NOYES, I. SCHOUR.

Classification.—W. H. WELKER (Chairman), J. S. KELLOGG, S. S. ARNIM, S. D. TYLMAN, NELL S. TALBOT, R. G. KESEL.

Curriculum and Catalog.—NELL S. TALBOT (Chairman), J. S. KELLOGG, S. S. ARNIM, S. D. TYLMAN, R. G. KESEL.

Executive.—F. B. NOYES (Chairman), F. B. MOOREHEAD, G. W. DITTMAR.

Exhibits.—E. J. KREJCI (Chairman), R. G. KESEL, I. SCHOUR.

Student Council.—R. G. KESEL (Chairman), NELL S. TALBOT (Secretary), I. SCHOUR.

FACULTY OF THE COLLEGE OF DENTISTRY

1937-38

Professors

- FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., LL.D., *Professor of Orthodontia, Director of the Children's Clinic, and Dean of the College of Dentistry*
- DONALD MACKEY GALLIE, D.D.S., *Professor of Clinical Operative Dentistry, Emeritus*
- FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*
- GEORGE WALTER DITTMAR, D.D.S., *Professor of Clinical Prosthetic Dentistry and Head of the Department of Prosthetic Dentistry*
- DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Dean of the College of Medicine*
- LOUIS SCHULTZ, D.D.S., M.D., *Professor of Oral Surgery and Pathology, Emeritus*
- JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department in the College of Medicine*
- HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics and Head of the Department in the College of Medicine*
- WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department of Chemistry and Metallurgy*
- FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department in the College of Medicine*
- WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*
- ADOLPH HARTUNG, M.D., *Professor of Roentgenology*
- ALBERT BACHEM, Ph.D., *Professor of Biophysics*
- OTTO FREDERIC KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
- ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*
- LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*
- ALLAN GIBSON BRODIE, D.D.S., M.S., *Professor of Orthodontia and Head of the Department*
- JOHN SANFORD KELLOGG, D.D.S., *Professor of Prosthetic Dentistry*
- WACLAW HOWARD KUBACKI, D.D.S., *Professor of Prosthetic Dentistry*
- STANLEY DANIEL TYLMAN, D.D.S., M.S., *Professor of Prosthetic Dentistry*
- ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*
- WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
- ISAAC SCHOUR, D.D.S., Ph.D., *Professor of Histology and Head of the Department*
- GEORGE E. WAKERLIN, Ph.D., M.D., *Professor of Physiology and Head of the Department*

Associate Professors

- OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*
- ISADORE PILOT, B.S., M.D., *Associate Professor of Medicine and of Pathology*
- SAMUEL AZOR LEVINSON, M.S., M.D., *Associate Professor of Pathology, Assistant Professor of Medicine, and Director of the Hospital Laboratory*
- ALEXANDER JOHN NEDZEL, M.D., M.S., *Associate Professor of Pathology, Bacteriology, and Public Health*
- MAX SAMUEL WIEN, B.S., M.D., *Associate Professor of Dermatology*

HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
 CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
 GERHARDT VON BONIN, M.D., *Associate Professor of Anatomy*

Assistant Professors

ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Oral Pathology*
 ROBERT GEORGE KESEL, D.D.S., M.S., *Assistant Professor of Dental Pathology and Therapeutics and Acting Head of the Department*
 ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*
 NELL SNOW TALBOT, A.M., *Assistant Professor of Medical and Dental History, and Assistant to the Dean of the College of Dentistry*
 YNGVE JORANSON, A.B., B.S., M.D., *Assistant Professor of Anatomy*
 GEORGE MILLES, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
 ELSIE GERLACH, D.D.S., *Assistant Professor of Operative Dentistry and Superintendent of the Children's Clinic*
 EDWARD JOHN KREJCI, D.D.S., *Assistant Professor of Operative Dentistry, and Examiner in the Infirmary*
 GUSTAV LEOPOLD ZECHEL, M.D., *Assistant Professor of Anatomy, and Associate in Surgery*
 LOUIS WILLIAM SCHULTZ, B.S., D.D.S., M.D., *Assistant Professor of Oral Surgery*
 WILLIAM BENHAM DOWNS, D.D.S., M.S., *Assistant Professor of Orthodontia*
 RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
 SUMTER SMITH ARNIM, A.B., D.D.S., Ph.D., *Assistant Professor of Operative Dentistry and Acting Head of the Department*
 WALTER WILLIAM DALITSCH, B.S., D.D.S., M.D., *Assistant Professor of Medicine and Health Officer*
 PAUL LEON EWING, Ph.D., *Assistant Professor of Pharmacology, Materia Medica, and Therapeutics*
 FRANK FOLBERT KANTHAK,¹ B.S., D.D.S., M.D., *Assistant Professor of Oral Surgery and Oral Pathology and Superintendent of the Clinics*

Associates

EDWARD CHARLES WACH, Ph.G., D.D.S., M.S., *Associate in Dental Pathology and Therapeutics*
 ELI OLECH, D.D.S., M.S., *Associate in Oral Surgery*
 KERMIT FREDERICK KNUDTZON, D.D.S., *Associate in the Infirmary*
 ROBERT KNIGHTON BAXTER, D.D.S., *Associate in Operative Dentistry*
 HENRY JOHN DROBA, D.D.S., *Associate in Oral Surgery*
 PAUL LILJA LANE, D.D.S., *Associate in the Infirmary*
 CHARLES MATHEW BUCKMAN, D.D.S., *Associate in Operative Dentistry*
 BEULAH GRATTAN NELSON, D.D.S., M.S., *Associate in the Children's Clinic*
 CLARENCE A. JOHNSON, Ph.D., *Associate in Physiological Chemistry*
 MARGARITA ULLOA, B.S., D.D.S., *Associate in Operative Dentistry*
 MAYNARD KIPLINGER HINE, D.D.S., M.S., *Associate in Dental Pathology and Therapeutics*
 FRED NORMAN BAZOLA, D.D.S., *Associate in Prosthetic Dentistry*

Lecturers

BENJAMIN WHAM, A.B., J.D., *Lecturer in Dental Jurisprudence*

¹Beginning July 1, 1938.

Instructors

- ANITA MARIE ELLINGSON, R.N., Ph.B., *Instructor in Dental Pathology and Therapeutics*
ANNA RIEKE, A.B., R.N., *Instructor in Oral Surgery*
WILLIS J. BRAY, D.D.S., *Instructor in Prosthetic Dentistry*
EDGAR HERMAN ARTHUR KRAMP, D.D.S., M.S., *Instructor in Dental Pathology and Therapeutics*
ERNEST W. MYER, D.D.S., M.S., *Instructor in Orthodontia*
HENRY FRANCIS ANDREE, D.D.S., *Instructor in the Infirmary*
FORREST A. DANN, D.D.S., *Instructor in the Infirmary*
EARL WILEY RENFROE, D.D.S., *Instructor in the Infirmary*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
ABRAHAM GOLDSTEIN, D.D.S., M.S., *Instructor in Orthodontia*
JOSEPH WILLIAM GORDON, D.D.S., *Instructor in Oral Surgery*
ARTHUR LOUIS ALBAN, D.D.S., *Instructor in Oral Surgery*
FRANK CARL FABIAN, D.D.S., *Instructor in Oral Surgery*
FRANK CHARLES BESIC, D.D.S., *Instructor in Operative Dentistry*
MARSHALL FREDERICK GRUNWALD, B.S., D.D.S., M.S., *Instructor in Dental Pathology and Therapeutics*
MILO BERNHARDT HATTENHAUER, D.D.S., *Instructor in Prosthetic Dentistry*
RAYMOND CLIFFORD INGRAHAM, Ph.D., *Instructor in Physiology*
DAVID BERMAN, B.S., D.D.S., *Instructor in Dental Pathology and Therapeutics*
JOHN A. HIGGINS, D.D.S., *Instructor in Pharmacology, Materia Medica, and Therapeutics*
HAROLD CARL STRUCK, Ph.D., *Instructor in Physiology*
IRVING ELIHU STECK, M.S. M.D., *Instructor in Physiology*
DAVID MINARD,¹ Ph.D., *Instructor in Physiology*

Assistants

- FRANCES AGNES BRIGGS, Ph.D., *Assistant in Physiological Chemistry*
CECIL CLAUDE HARVEY, M.S., *Assistant in Physiological Chemistry*
ELEANOR SCHLOSSER KING, D.H., *Assistant in Prosthetic Dentistry*
WILLIAM JOSEPH HOGAN,² D.D.S., *Assistant in Prosthetic Dentistry*
LEONARD GELFAND, B.S., D.D.S., *Assistant in Histology*
ROBERT DANE CURTIS, B.S., D.D.S., *Assistant in Prosthetic Dentistry*
WILLIAM FRANKLIN DENNEMAN, B.S., D.D.S., *Assistant in the Infirmary*
KENNETH PALMER SHARPE, B.S., D.D.S., *Assistant in Dental Pathology and Therapeutics*
REUBEN ARTHUR LARSEN, D.D.S., *Assistant in Prosthetic Dentistry*
SUREN MANOOG SERON, B.S., D.D.S., *Assistant in Oral Surgery*
MURRAY MITCHELL HOFFMAN, B.S., D.D.S., *Research Assistant in Histology*
DEWEY DEWITT JACKSON, B.S., D.D.S., *Assistant in Operative Dentistry*
CASIMIR SINIARSKI, D.D.S., *Assistant in Prosthetic Dentistry*
JOHN MONROE SPENCE, D.D.S., M.S., *Research Assistant in Histology*
CHESTER FREDERICK ANDERSON, B.S., D.D.S., *Assistant in Prosthetic Dentistry*
JOHN VICTOR BORDEN, *Assistant in Histology*

¹Beginning March 1, 1938.

²Resignation effective May 16, 1938.

MAY G. GREENAWAY, R.N., *Assistant in the Children's Clinic*
FRED HERZBERG, B.S., D.D.S., *Research Assistant in Histology*
CLARENCE WYLAND HANSEN, D.D.S., *Assistant in Dental Pathology and Therapeutics*
ARTHUR VALENTINE BERGQUIST, B.S., M.D., *Assistant in Anatomy*
ROBERT EDWARD DYER, B.S., M.D., *Assistant in Anatomy*
JACOB ABRAHAM GLASSMAN, B.S., M.D., *Assistant in Anatomy*
ARTHUR DEO KLEIN, B.S., *Assistant in Physiology*
LOUIS YESINICK, B.S., *Assistant in Physiology*
LEROY VERL BROADBENT, A.B., M.D., *Assistant in Anatomy*
MACE GAZDA, M.D., *Assistant in Anatomy*

Artists

NELLIE MORGAN FRAIN, *Artist in Dental Illustration*

Technicians

GUSTAVE SWANSON, *Technician in the Infirmary*
STANLEY GREGORY MOORE, *Technician in Pathology, Bacteriology, and Public Health*
HILDA PAULSEN, *Technician in Bacteriology and Public Health*
OCIE ROMEY BURNS, Ph.G., *Technician in Physiological Chemistry*
GEORGE MILLER, *Technician in Anatomy*
EDNA MARGARET ANDERSON, *Technician in Roentgenology*
MINA RAE MORFORD BOHAN, *Technician in Orthodontia and in Oral Pathology*
VIRGINIA LORETTA STONER, *Technician in Dental Pathology and Therapeutics*
BESS HELEN FAUST, A.B., *Technician in Orthodontia*
FRANCES B. SCHWAB, *Technician in Histology*
MARY BERNADETTE FLOOD, *Technician in Prosthetic Dentistry*
LAURETTA MALONEY,¹ *Technician in Roentgenology and in Prosthetic Dentistry*

¹Beginning November 1, 1937.



THE OPERATIVE INFIRMARY



ONE OF THE TECHNICAL LABORATORIES



SECOND UNIT OF MEDICAL AND DENTAL COLLEGE
LABORATORIES BUILDING

THE COLLEGE OF DENTISTRY

Location

The College of Dentistry is located in the newly completed second unit of the Medical and Dental College Laboratories Buildings at 808 South Wood Street. It is adjoined by the Research and Educational Hospital on the south and by the Research and Library Building on the west. The facilities of the College of Medicine are available to students in the College of Dentistry, as the colleges are allied and the faculties are associated.

Buildings

The new building houses the administrative department of the College of Dentistry, the technical departments, and all dental clinics as well as the departments of Dental Histology, Oral Pathology, Bacteriology, and Pathology. The departments of other fundamental sciences are housed in the first unit of the Laboratories Buildings which adjoins the second unit.

Both buildings contain extensive laboratory space for class work and research, operative room for the several clinics, amphitheatres for autopsies, surgery, general assemblies, classes, and student activities, and recreation and lounge rooms for women and for men. The proximity of the hospital and the library as well as that of the College of Medicine contributes much to the cooperation established between the two colleges and to the development of medicine and dentistry in the relation which makes for better health service on the part of both.

Infirmaries

Since a large part of the third and fourth years is devoted to the supervised practice of dentistry by students, ample clinical space is provided on the fourth, fifth, sixth, seventh, eighth, ninth, twelfth, and thirteenth floors. Instead of placing all departments in one large infirmary, each clinical department has its infirmary on its own floor. This makes possible more satisfactory lighting for each chair, and greater efficiency in teaching than was possible under the plan of one large infirmary. The clinical equipment has been especially designed and is modern in character throughout.

Library

The medical and dental libraries are housed in the Research and Library Building; both are available for the use of dental students. In the two libraries there are more than 50,000 volumes and 5,000 pamphlets; this includes a comprehensive collection of works on dental and allied subjects. All standard dental journals are kept on file, and there is a representative collection of works in literature, standard and modern. The libraries are open from 8:30 a.m. to 10:00 p.m., and room is provided for students desirous of employing their study periods.

General Plan of Instruction

The course of instruction leading to the degree of Doctor of Dental Surgery is based on sixty hours of credit earned in an accredited college of liberal arts and sciences. Sixty hours are required in order that the student may have the background and training which will enable him intelligently to enter upon and complete a comprehensive course in dentistry. The advance of knowledge in both medicine and dentistry during the last few years has made necessary many changes in the dental curriculum

in order that students may be prepared to practice a profession which is an integral part of health service. The new responsibilities imposed on the profession by the recognition of the systemic relations and implications of oral disease demand of the practitioner a knowledge of the fundamental sciences which cannot be acquired without at least two years of thorough and systematic preparation.

The inclusion of physics and organic chemistry in the pre-dental course releases more hours during the first two years of the dental course for the biological sciences, and during the last two years for medical subjects necessary to enable the student to grasp the systemic connections of oral disease, and to incorporate this conception in the practice of dentistry.

The first two years of the curriculum include courses in physiological chemistry, anatomy, histology, physiology, bacteriology, and pathology presented by members of the staff of the College of Medicine. At the same time instruction in dental technique is given with emphasis on the comprehension of principles rather than on the number of technical units completed.

Actual clinical practice is continuous throughout the third and fourth years, accompanied by courses in diagnosis and medicine which enable the student to correlate oral and systemic disease. The inclusion in entrance requirements of so much fundamental science and the compression of hours of technique leave more time available for clinical practice.

During the third year the student is admitted to the infirmary and begins clinical operations on patients; in the fourth year the emphasis is on diagnosis, with due consideration of systemic involvements, and on the management of the patient by the student from the time the patient enters the diagnostic clinic until he is discharged from the infirmary.

Each year more hospitals are establishing dental internships. Graduates of the College of Dentistry are urged to take advantage of these opportunities for gaining experience before entering upon private practice, and every effort is made to assist graduates in securing such positions.

Requirements for Admission

Applications for admission may be made to the Dean of the College of Dentistry or to the Examiner and Recorder. Credentials covering all college and high school work must be submitted from each institution attended. Women are admitted on the same terms as men. For admission to the College of Dentistry, each candidate must present satisfactory evidence of six years of work as follows:

1. Four years of work in an accredited high school or the equivalent, comprising not fewer than fifteen units in acceptable subjects, including prescribed subjects as follows:

	UNITS ¹
English.....	3
Algebra.....	1
Plane geometry.....	1
Laboratory science.....	1
Electives (not more than four units of non-academic subjects).....	9
<i>Total</i>	<u>15</u>

2. Two years of work in an approved college of liberal arts and sciences, comprising not fewer than sixty semester hours, and including prescribed subjects as follows:

¹A unit is the amount of work represented by the pursuit of one high school subject, with the equivalent of five forty-minute recitations a week, through 36 weeks; or, in other words, the work of 180 recitation periods of forty minutes each, or the equivalent in laboratory or other practice.

	SEMESTER HOURS ¹
Chemistry (including four hours of organic chemistry).....	12
Physics.....	6
Biology.....	6
English.....	6
Electives (excluding military, hygiene, and physical education)....	30
<i>Total</i>	<u>60</u>

Credits of students who wish to be candidates for the degree of Bachelor of Science upon the completion of the second year in the College of Dentistry should be distributed as follows:

	SEMESTER HOURS ¹
Chemistry (including four hours of organic chemistry).....	12
Physics.....	6
Biology.....	8
English.....	6
German, French, Spanish, or Italian.....	6
Electives (excluding chemistry, physics, and biology).....	6
Free Electives.....	16
<i>Total</i>	<u>60</u>

As the function of the pre-dental years is to supply a general background for the student as well as specific training in the fundamental concepts of the sciences, it is recommended that the elective hours include history, economics, sociology, philosophy, and at least one modern language.

Note.—No student at Urbana will be permitted to transfer his registration to the College of Dentistry while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.

A person whose record at some other institution comes within either of the following classifications may enter the University only on approval of the dean of the college concerned and under conditions imposed by him: (1) A person dropped from another institution for poor scholarship or for disciplinary reasons. (In the latter case he must also obtain approval of the University Senate Committee on Discipline.) (2) A person whose record shows as much as fifty per cent (or more than twenty-five hours) of unsatisfactory work, i.e., unremoved failures and credits earned with a grade equivalent to the lowest passing grade in the University of Illinois.

Admission to Advanced Standing

Students who meet the requirements for admission to the University of Illinois and who have studied dentistry for not less than one year in any college accredited to the University of Illinois, may be admitted to advanced standing. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry.

Graduates of colleges of medicine accredited to the University of Illinois may be admitted to the College of Dentistry and given credit for one year in time and for all satisfactorily completed courses which are required by the College.

Students presenting sufficient credits applicable to the first-year curriculum in addition to those required for entrance may enter at the beginning of the second semester of the first year.

Students holding credits other than those listed above should communicate with the Dean for further information.

¹By a *semester hour* is meant the work of a class meeting one hour each week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

A letter of honorable dismissal and a transcript of record are required of any applicant who has previously attended a dental school.

Credentials which are accepted towards admission to the University become the property of the University and are kept permanently in the files.

Admission of Unclassified Students

A person twenty-one years of age or over, who has met the requirements for admission as determined in the usual way by the Registrar, or who is a graduate of a recognized College of Dentistry, may be admitted, on approval of the Dean, as an unclassified student, to take a partial schedule of work. Fees are prorated in proportion to the amount of work taken.

Requirements for Graduation

For the degree of Bachelor of Science.—A student must have completed all the courses of the first two years in the College of Dentistry with a grade of "C" or better in at least three-fourths of the work. (Hours of entrance credit must be distributed as indicated on page 13.)

For the degree of Doctor of Dental Surgery.—A student must have completed the work of the curriculum with a grade of "C" or better in at least three-fourths of the work leading to the degree. (See page 31.)

Significance of Grades.—The literal system of grading is used, and "D" is the passing grade. Where it is necessary to translate percentage to literal grades, or vice versa, the following values are used: "A," 92 to 100%; "B," 85 to 91%; "C," 75 to 84%; "D," 70 to 74%. For calculating averages, the point system is used, with values as follows: "A" equals 5; "B," 4; "C," 3; "D," 2.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: for an average grade of not less than 4.35, graduation with honors; for an average grade of not less than 4.75, graduation with high honors. The honors conferred shall be noted upon the diploma and the Commencement program.

A chapter of Omicron Kappa Upsilon, a national honorary dental fraternity, was organized in the College of Dentistry in 1928. Dental students who on completion of their dental course have a grade of scholarship ranking them in the highest twelve per cent of their class are eligible for membership.

Graduate Courses

Courses leading to the degree of Master of Science are offered in histology, oral surgery, orthodontia, and therapeutics. (See page 37.) A circular on the course in orthodontia is available upon request.

Special Courses for Dentists

The following special courses, each of which continues four weeks, are offered at the College of Dentistry during the year to legally qualified practitioners: ceramics; crowns and fixed partial dentures; full dentures and removable partial dentures; histology; operative dentistry; oral surgery; and therapeutics. Descriptions of these courses appear in this circular under the various departments.

Summer Courses

A summer course is available to third-year and fourth-year students in clinical practice, including operative dentistry, prosthetic dentistry, therapeutics, and oral surgery.

Students may receive credits applying on either third-year or fourth-year infirmiry requirements.

Students may register for the entire term of sixteen weeks or for any part of the term.

Fees¹

Matriculation Fee.—Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of \$10.00.

Tuition and Laboratory Fees.—Residents of Illinois pay tuition and laboratory fees as follows:

	FIRST YEAR		SECOND YEAR ²		THIRD YEAR		FOURTH YEAR ³	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.
Tuition.....	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00
Laboratory.....	38.50	37.50	46.00	40.50	47.00	54.00	51.00	50.00
	<u>\$113.50</u>	<u>\$112.50</u>	<u>\$121.00</u>	<u>\$115.50</u>	<u>\$122.00</u>	<u>\$129.00</u>	<u>\$126.00</u>	<u>\$125.00</u>

For non-residents of Illinois, the tuition fee is \$37.50 a semester more than the amounts shown above.

Note: The above fees are for students entering in September, 1936, and thereafter. (For fees applicable to other students, see Circular for 1936-37.)

Fees for Part-Time Students.—Effective for new students entering in September, 1936, and thereafter. (For partial fees applicable to other students, see Circular for 1936-37.)

Residents of Illinois registered for partial programs pay fees as follows: In first-year and second-year courses, 25 cents per clock hour, plus regular laboratory fees in the courses for which the student registers. In third-year and fourth-year courses, 20 cents per clock hour, plus full laboratory fees and an additional 15 cents per clock hour for courses involving dispensary or infirmiry.

Non-state students registered for partial programs pay one and one-half times the above stated clock hour fees, except for dispensary and infirmiry.

In no case will a part-time student be assessed a larger fee than the regular fees for full-time work.

Scholarship students in the College of Dentistry registered for partial programs in the third and fourth years pay thirty per cent of the above amount for dispensary fees.

Summer Term Tuition and Infirmiry Fee.—

For residents of Illinois: tuition, \$12.50; infirmiry, \$12.50; total, \$25.00.

For non-residents of Illinois: tuition, \$22.50; infirmiry, \$12.50; total, \$35.00.

Students registering for more than six weeks pay regular fees; for six weeks or less, students pay half the regular fees.

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of..... \$ 5.00

Special Examination Fee.—For any special examination a fee of..... 5.00

¹The Trustees reserve the right to change the fees at any time. Laboratory fees are subject to adjustment from year to year.

²Graduation fee of \$10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the D.D.S. degree.

Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of \$1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed 2.00

(The above ruling applies to registration for electives after the dates specified for regular registration.)

Listener's or Visitor's Fee.—For each 25 clock hours, or fraction thereof:

Residents of Illinois pay 10.00

Non-residents of Illinois pay 20.00

Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:

For each original, or first, copy 1.00

For each carbon copy50

Special Courses for Dentists (No matriculation is required) 50.00

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed \$3.00, will be charged for the privilege of deferring fees, and this charge *must be paid on Registration Day*. If deferred fees are paid in full within ten days of Registration Day, the service charge will be refunded *except* that a minimum service charge of \$1.00 will be retained by the University. The matriculation fee of \$10.00 (if not previously paid), the service charge, not less than twenty-five per cent of the current semester fees, and all fees and charges from previous semesters must be paid *on Registration Day*.

Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes.

Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Refunds.—If a student withdraws from the school within ten days after the beginning of instruction, the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month, a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months, a refund of one-half of these fees will be made. After two months and before the expiration of three months, a refund of one-fourth of these fees will be made. After the expiration of three months no part of the fees will be refunded.

Expenses

Estimate of Expenses.—An estimate of the annual expenses for books, materials, and instruments is as follows:

First Year

Books	\$ 40.00
Materials	10.00
Instruments	150.00
<i>Total</i>	\$200.00

Second Year

Books.....	\$ 12.00	
Materials.....	80.00	
Instruments.....	315.00	
<i>Total</i>		\$407.00

Third Year

Books.....	23.00	
Materials.....	15.00	
Instruments.....	10.00	
<i>Total</i>		48.00

Fourth Year

Books.....	20.00	
Materials.....	20.00	
Instruments.....	35.00	
<i>Total</i>		75.00

TOTAL..... **\$700.00**

Each student is also required to supply himself with a microscope at the beginning of the first year. The cost of the microscope is in addition to the expense listed above. All microscopes must be approved by the Head of the Histology Department.

The instruments purchased during the four years constitute a part of the equipment of a dental office. Instruments and supplies may be secured at the dental supply store on the ninth floor of the College of Dentistry. The University has installed this service in the interest of the student. It is not a profit-making undertaking.

The expenses of living in Chicago are less than in most large cities. From thirty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student, exclusive of books, clothing, railroad fare, and miscellaneous needs. A ten-story Y.M.C.A. building located two blocks from the College affords a comfortable home for students.

Physical Examinations

Students contemplating a dental course should check up on their health and physical condition. The dental program is exacting and strenuous, and loss of time is costly. A complete physical examination by the family physician is urged. The eyes and teeth should be in the best of condition. Tonsils should be removed if the physician deems this advisable.

A competent health service is provided for students. Physical examinations during the first year are compulsory, and every effort is made to assist the students in their own health problems.

Scholarships

The following scholarships are open for students in the College of Dentistry:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provision passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships apply to the Registrar, Urbana, Illinois.)

Loan Funds

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. It is advised, however, that first-year students do not plan to depend upon loans from these funds since under University rules first-year students are not eligible to loans. For more detailed information apply to the office of the Dean.

Honorary Research Assistantships

Students may, during the last year of their course, be permitted to pursue advanced work in a department, provided, first, that they have shown special aptitude; and, second, that their previous work has been of a sufficiently high grade. If at the end of the last year's work the student's application and attainment are regarded as of a sufficiently high character, he may be awarded an honorary research assistantship.

Licenses to Practice in England

The College of Dentistry of the University of Illinois has been listed since 1916 as one of the dental schools recognized by the Royal College of Surgeons, in London. This recognition implies that the Royal College of Surgeons will exempt graduates in dental surgery of the University of Illinois from the preliminary science examination for the license in dental surgery, and will accept such parts of the curriculum for the license as are completed in the College of Dentistry of the University of Illinois toward the curriculum of studies required for the license.

Further Information

This announcement applies to the session beginning September 26, 1938, and all requirements, fees, and regulations mentioned in it apply to this college year alone. The Trustees of the University of Illinois reserve the right to make changes in succeeding announcements. Conditions specified in the catalog cannot be modified except with the written consent of the proper officials of the University.

For further information address

THE DEAN, COLLEGE OF DENTISTRY
UNIVERSITY OF ILLINOIS
808 SOUTH WOOD STREET, CHICAGO

COURSES OFFERED IN THE COLLEGE OF DENTISTRY

NOTE: The course numbers are indicated by Arabic numerals preceding the captions. Double numbers indicate courses extending through two semesters. Unless otherwise stated, the Arabic numbers following the description of courses indicate the number of one-hour periods a week. The first and second semesters are indicated by the Roman numerals, *I* and *II*, respectively.

ANATOMY

Professors: KAMPMEIER (Head of the Department).

Associate Professors: VON BONIN.

Assistant Professors: JORANSON, ZECHEL, WEBB.

Instructors: FISCH.

Assistants: BERGQUIST, DYER, GLASSMAN, BROADBENT, GAZDA.

Required Courses

FIRST YEAR

- 11-12. *Systematic and Regional Anatomy*.—This includes a complete dissection of the body. Lecture, demonstration, recitation, and seminar, 2; laboratory, 2 three-hour periods. *I, II*. Assistant Professor JORANSON, Dr. FISCH, and assistants.
14. *Neurology*.—Gross and microscopic anatomy of the nervous system; dissection of the brain and examination of stained sections; correlation of structure and function. Lecture and demonstration, 1 two-hour period. *II*. Assistant Professor ZECHEL and assistants.

Elective Courses

FOURTH YEAR

51. *Advanced Anatomy of the Head and Neck*.—Open to fourth-year students. Lecture or quiz, 1; laboratory, 1 three-hour period. *I*. Assistant Professor JORANSON.

Courses for Graduate Students

101. *Advanced Anatomy*.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. One or two units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.
103. *Individual Research*.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. One to three units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

DENTAL JURISPRUDENCE

Lecturers: WHAM.

Required Courses**FOURTH YEAR**

42. *Dental Jurisprudence*.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of dentist and patient and their enforcement in court; confidential character and inviolability of such relation; dental laws of the various states. Lectures, 1 (6 weeks).
II. Dr. WHAM.

DENTAL PATHOLOGY AND THERAPEUTICS

Professors: MCGUIGAN (Head of the Department in the College of Medicine), CAMP.

Assistant Professors: KESEL (Acting Head of the Department in the College of Dentistry), EWING.

Associates: WACH, HINE.

Instructors: ELLINGSON, KRAMP, GRUNWALD, BERMAN, HIGGINS.

Assistants: SHARPE, HANSEN.

Required Courses**SECOND YEAR**

22. *Technic*.—The mechanics of exposing, cleaning, enlarging, and filling root-canals. Principles of mouth examination and technic of oral prophylaxis. Lecture, 1; laboratory, 1 three-hour period. II. *Prerequisite*: Operative Dentistry 21. Dr. KRAMP, Dr. HANSEN.

THIRD YEAR

31. *Materia Medica and Therapeutics*.—Nomenclature, classification and action of drugs, and prescription writing. Lectures, 2. I. *Prerequisite*: Physiology 21-22. Dr. WACH.
32. *Pharmacodynamics*.—Demonstrations and laboratory exercises, 1 two-hour period. II. *Prerequisite*: Dental Pathology and Therapeutics 31. Professors MCGUIGAN and CAMP, Assistant Professor EWING, Dr. HIGGINS, and assistants.
33. *Hygiene and Public Health*.—Measures for prevention of dental disease. The oral flora and their relation to disease. Technic of oral hygiene. Hygiene of ventilation, communicable diseases, waste disposal, and sanitation. Lecture, 1. I. *Prerequisite*: Pathology and Bacteriology 21. Dr. HINE, Miss ELLINGSON.
34. *Dental Pathology and Therapeutics*.—Etiology, pathology, and treatment of lesions of the investing tissues of the teeth and of other oral tissues. Stomatitis, etiology, pathology, and treatment. Lectures, 2. II. *Prerequisite*: Dental Pathology and Therapeutics 31, and Pathology and Bacteriology 31. Assistant Professor KESEL, Dr. HINE.
- 35-36. *Clinical Practice*.—Clinical and laboratory examination; oral prophylaxis; treatment of the parodontal tissues; general management of root-canals. Conferences and demonstrations to groups. I, II. *Prerequisite*: Operative Dentistry 21-22, Dental Pathology and Therapeutics 22, and Pathology and Bacteriology 21. Members of the staff.

FOURTH YEAR

41. *Dental Pathology and Therapeutics*.—Pathology of dental caries, pathology and treatment of diseases of the dental pulp and periapical tissue. Tissue reactions in periapical region following pulp removal. Lectures, recitations, laboratory, and demonstrations, 3. *I. Prerequisite*: Dental Pathology and Therapeutics 34 and 35-36. Assistant Professor KESEL, Dr. HINE, Dr. BERMAN.
- 45-46. *Clinical Practice*.—Clinical and laboratory examination and diagnosis of oral conditions; interpretation of radiograms; treatment of root-canals and parodontal tissues; records. Conferences and demonstrations to groups. *I, II. Prerequisite*: Dental Pathology and Therapeutics 35-36. Members of the staff.

Elective Courses

FOURTH YEAR

51. *Advanced Therapeutics*.—Group or individual conference, 1; laboratory, 1 three-hour period. *I. Prerequisite*: Dental Pathology and Therapeutics 35-36. Course limited to six students who are acceptable to the department. Assistant Professor KESEL, Dr. HINE.

Courses for Graduate Students

101. *Advanced Therapeutics*.—One or two units. Assistant Professor KESEL.
103. *Therapeutic Research*.—One or two units. Assistant Professor KESEL.

Special Courses for Dentists

61. *Dental Pathology and Therapeutics*.—Discussion of diseases of the dental pulp and the periapical tissues and their treatment. A study of tissue reactions following treatment as exhibited by clinical, radiographic, and microscopic findings. The management of clinical cases. Fee for one month, \$50. Assistant Professor KESEL, Dr. HINE.
62. *Dental Pathology and Therapeutics*.—Discussion of diseases of the parodontal tissues and their treatment. The microscopic study of the gingival crevice and pathologic pockets in human material. The management of clinical cases. Fee for one month, \$50. Assistant Professor KESEL, Dr. HINE.

DENTISTRY FOR CHILDREN

Professors: NOYES (Director of the Clinic).

Assistant Professors: GERLACH (Superintendent of the Clinic).

Associates: NELSON.

Assistants: GREENAWAY.

Required Courses

FOURTH YEAR

- 41-42. *Dentistry for Children*.—Operative and therapeutic care of children's teeth. Clinical practice. Students assigned in groups. Lecture, 6; clinic, 30 hours. *I. Clinic, 36 hours. II.* Assistant Professor GERLACH, Dr. NELSON, and assistants.

Elective Courses**FOURTH YEAR**

51. *Dentistry for Children*.—Advanced studies in therapeutics, operative procedures, and principles of space maintenance. Lectures or conferences, 1; clinic, 1 three-hour period. *I.* Assistant Professor GERLACH, Dr. NELSON, and assistants.

DIAGNOSIS

Assistant Professors: KREJCI (Examiner in the Infirmary).

Associates: KNUDTZON, LANE.

Instructors: ANDREE, DANN, RENFROE.

Assistants: DENNEMAN.

Required Courses**THIRD YEAR**

31. *Oral Diagnosis and Radiographic Interpretation*.—Principles and methods. Lecture and quiz, 1 (8 weeks). *I.* Assistant Professor KREJCI.
32. *Diagnosis*.—Clinics and conferences, 3 three-hour periods. Students assigned in groups. *II.* Assistant Professor KREJCI.

FOURTH YEAR

- 41-42. *Diagnosis*.—Clinic and conference, 1. *I, II.* Assistant Professor KREJCI and heads of clinical departments.

Elective Courses**FOURTH YEAR**

51. *Diagnosis*.—Lecture or conference, 1; clinic, 1 three-hour period. *I.* Assistant Professor KREJCI.

HISTOLOGY AND EMBRYOLOGY

Professors: SCHOUR (Head of the Department).

Assistants: GELFAND.

Research Assistants: HOFFMAN, SPENCE, BORDEN, HERZBERG.

Required Courses**FIRST YEAR**

15. *General Histology*.—Cell structure; relation of cells and intercellular substances; the elementary tissue; the histology of the organs of the circulatory, alimentary, respiratory, genito-urinary, and nervous systems, and the skin and its appendages. Lecture or quiz, 2; laboratory, 2 two-hour periods. *I.* Professor SCHOUR, Dr. GELFAND, Dr. HOFFMAN.
16. *Dental Histology and Embryology*.—Embryology of the face, oral cavity and teeth. The development of the tooth and its investing apparatus in terms of its growth, calcification, and eruption. The structure of the dental and oral tissues. The course also includes histophysiologic aspects of experimental dentistry. Lecture, recitation, or seminar, 2; laboratory, 2 two-hour periods. *II.* Professor SCHOUR, Dr. GELFAND, Dr. HOFFMAN.

Elective Courses**FOURTH YEAR**

53. *Advanced Embryology of the Teeth and Oral Cavity*.—Course limited to ten students acceptable to the department. Lecture, 1; laboratory, 1 three-hour period. I. Professor SCHOUR.
55. *Advanced Histology of the Teeth and Oral Cavity*.—Course limited to ten students acceptable to the department. Lecture, 1; laboratory, 1 three-hour period. I. Professor SCHOUR.

Courses for Graduate Students

101. *Advanced Dental Histology*.—One or two units. Professor SCHOUR.
102. *Research in Microscopic Anatomy (Teeth and Related Tissues)*.—One to three units. Professor SCHOUR.

Special Courses for Dentists

61. *Histology*.—Conference and demonstration on the following subjects: cells, epithelial tissue, connective tissue, embryology of tooth, enamel, dentin and cementum, periodontal membrane, mandible, mouth tissues. Histologic analysis of the teeth of animals which have been subjected to various endocrine, vitamin, and other metabolic disturbances. Fee for one month, \$50. Professor SCHOUR.

MEDICAL AND DENTAL HISTORY

Assistant Professor TALBOT

Required Courses**FIRST YEAR**

- 11-12. *History of Medicine and Dentistry*.—1. I, II.

SECOND YEAR

- 21-22. *History of Medicine and Dentistry*.—1. I, II.

THIRD YEAR

32. *Dentistry and Society*.—1. II.

FOURTH YEAR

42. *Seminar*.—Individual consultations on the preparation of scientific papers. 2. II.

Elective Courses**FOURTH YEAR**

51. *Social Problems*.—1. I.

MEDICINE

Professors: KEETON (Head of the Department), HESS, SENEAR.

Associate Professors: WIEN, PÖNCHER.

Assistant Professors: DALITSCH.

Required Courses

THIRD YEAR

31. *Clinical Pediatrics*.—Lecture and clinic, 1 two-hour period. *I.* Professor HESS, Associate Professor PONCHER.
- 33-34. *Medicine*.—Lecture and clinic, 1 one-hour period. *I, II.* Assistant Professor DALITSCH.
36. *Dermatology*.—Lecture and clinic, 1 one-hour period. *II.* Professor SENEAR, Associate Professor WIEN.

FOURTH YEAR

- 41-42. *Medicine*.—Lecture and clinic, 1 two-hour period. *I, II.* Assistant Professor DALITSCH.

Courses for Graduate Students

101. *Research in Medicine*.—One to three units. Professor KEETON.

OPERATIVE DENTISTRY

Professors: GALLIE (Emeritus).

Assistant Professors: ARNIM (Acting Head of the Department), GERLACH (Superintendent of the Children's Clinic), KREJCI (Examiner in the Infirmary).

Associates: BAXTER, BUCKMAN, ULLOA.

Instructors: BESIC.

Assistants: JACKSON.

Required Courses

FIRST YEAR

- 11-12. *Dental Anatomy*.—A study of human teeth, their structure, form, relation to one another and to the body as a whole with an analysis of these fundamentals from the standpoint of their relation to function, disease, and treatment. Lecture or quiz, 1; laboratory, 1 three-hour period. *I, II.* Assistant Professor ARNIM, Dr. BUCKMAN, Dr. ULLOA, Dr. BESIC, Dr. JACKSON.

SECOND YEAR

- 21-22. *Technic*.—Theory of the etiology and treatment of dental caries; various types of restorations on models and manikins. Lecture and quiz, 1; laboratory, 2 three-hour periods; *I.* Lecture, 1; laboratory, 1 three-hour period; *II. Prerequisite:* Operative Dentistry 11-12. Assistant Professor ARNIM, Dr. BAXTER, Dr. JACKSON.

THIRD YEAR

- 31-32. *Operative Dentistry*.—Principles of practice. Lecture, 1. *I, II. Prerequisite:* Operative Dentistry 21-22. Assistant Professor ARNIM.
- 35-36. *Clinical Practice*.—Diagnosis. Restorations. Conferences and demonstrations to groups. *I, II. Prerequisite:* Operative Dentistry 21-22. Members of the staff.

FOURTH YEAR

- 41-42. *Clinical Observations and Practice Management*.—Lecture, 1, bi-weekly. *I, II. Prerequisite:* Operative Dentistry 35-36. Assistant Professor ARNIM.
- 45-46. *Clinical Practice*.—Continuation of courses 35-36 with emphasis on more difficult cases. Practical examinations. *I, II. Prerequisite:* Operative Dentistry 35-36. Members of the staff.

Elective Courses

51. *Variables and Modifications in Operative Dentistry*.—Research and analysis of methods of treatment. Lecture, 1; laboratory, 1 three-hour period. *I.* Assistant Professor ARNIM.

Special Courses for Dentists

61. *Operative Dentistry*.—Gold foil, inlay, amalgam, and cement restorations with detailed discussion of instrumentation and operating procedures. The course is supplemented by lectures on the etiology and treatment of caries; causes and results of mechanical and chemical injury to teeth; indications and contra-indications for the various types of restorations. Fee for one month, \$50. Assistant Professor ARNIM.
62. *Operative Dentistry*.—Detailed studies of the relation of the preclinical sciences, physics, chemistry, anatomy, histology, and pathology, to the treatment of carious and non-carious injuries to teeth with clinical and research projects on the application of these studies to practice. This work may be undertaken on a full- or part-time basis for one year. Fee for one semester, full time, \$75 and laboratory fees; for half-time, \$50 and laboratory fees. Assistant Professor ARNIM.

ORAL AND PLASTIC SURGERY AND ORAL PATHOLOGY

Professors: MOOREHEAD (Head of the Department), L. SCHULTZ (Emeritus).

Assistant Professors: LADD, L. W. SCHULTZ, KANTHAK.¹

Associates: OLECH, DROBA.

Instructors: RIEKE, GORDON, ALBAN, FABIAN.

Assistants: SERON.

Required Courses

THIRD YEAR

31. *Anaesthetics*.—Lecture and conference. 1 one-hour period, 6 weeks. *I.* Dr. DROBA.
32. *Oral Pathology*.—Lectures, recitations, demonstrations, 2; laboratory, 1 three-hour period. *II.* Professor MOOREHEAD, Assistant Professors LADD, KANTHAK, and assistants.
34. *Extracting Clinic*.—3 three-hour periods with groups. *II.* Assistant Professor KANTHAK, Dr. DROBA, Dr. OLECH, Dr. ALBAN, Dr. FABIAN, Dr. GORDON, Miss RIEKE.

FOURTH YEAR

- 41-42. *Oral Surgery*.—Recitation and conference, 1. *I, II.* Professor MOOREHEAD, Assistant Professor SCHULTZ.
- 43-44. *Oral Surgery*.—Clinic, 2 two-hour periods. *I, II.* Professor MOOREHEAD, Assistant Professor SCHULTZ, Dr. OLECH, Dr. DROBA, Miss RIEKE.
- 45-46. *Extracting Clinic*.—8 three-hour periods with groups. *I, II.* Assistant Professor KANTHAK, Dr. DROBA, Dr. OLECH, Dr. ALBAN, Dr. FABIAN, Dr. GORDON, Miss RIEKE.

Elective Courses

FOURTH YEAR

51. *Extraction*.—Extended instruction. Lecture, 1; laboratory, 1 three-hour period. *I.* Professor MOOREHEAD, Dr. DROBA, Miss RIEKE.

¹Beginning July 1, 1938.

53. *Oral Pathology*.—Tumors of the mouth. Lecture, 1; laboratory, 1 three-hour period. I. Professor MOOREHEAD, Assistant Professor LADD.

Courses for Graduate Students

101. *Pathology of Mouth*.—One or two units. Professor MOOREHEAD.
103. *Oral Surgery*.—Two units. Professor MOOREHEAD.

Special Courses for Dentists

61. *Anaesthesia and Extraction*.—Studies in anatomy and methods on green skull preparations. General principles governing the extraction of teeth with clinical practice. Fee for one month, \$50. Dr. DROBA, Dr. OLECH, Miss RIEKE.
62. *Oral Pathology*.—Laboratory studies in mouth pathology. Fee for one month, \$50. Professor MOOREHEAD, Assistant Professor LADD.
63. *Minor Oral Surgery*.—Study of individual cases, illustrating methods of examination and preparation of case reports, summary of conclusions, with treatment. Clinical demonstrations, four hours each week. Hospital clinics by appointment. Fee for one month, \$50. Professor MOOREHEAD, Assistant Professor SCHULTZ, Dr. DROBA, Dr. OLECH.

ORTHODONTIA

Professors: BRODIE (Head of the Department), NOYES.

Assistant Professors: DOWNS.

Instructors: MYER, GOLDSTEIN.

Required Courses

THIRD YEAR

31. *Fundamentals of Occlusion*.—Phylogenetic development of teeth, jaws, and face; study of bones and musculature of the head and neck; the forces of occlusion and the growth and development of the head and face. Lecture, 1. I. Professor BRODIE.
32. *Orthodontia*.—Demonstration and technic; impressions, plaster models; soldering technic. Laboratory, 2 two-hours periods. II. Dr. MYER, Dr. GOLDSTEIN.
34. *Orthodontia*.—History; fundamental principles; normal occlusion; development of denture; forces of occlusion; classification; etiology of malocclusion. Lecture, 1. II. Professor BRODIE, Assistant Professor DOWNS.

FOURTH YEAR

41. *Orthodontia*.—History, development of appliances; gathering of histories; case analysis; principles of treatment; possibilities and limitations. Lecture, 1. I. Professor BRODIE, Assistant Professor DOWNS.
43-44. *Orthodontia*.—Presentation of cases showing records taken, analysis, prognosis, method of treatment and results. Clinic, demonstration, and conference, 1 two-hour period. I, II. Professor BRODIE, Assistant Professor DOWNS, Dr. MYER, Dr. GOLDSTEIN.

Elective Courses

FOURTH YEAR

51. *Orthodontia*.—Growth and development of the head. Lecture, 1; laboratory, 1 three-hour period. I. Professor NOYES, Professor BRODIE.

Courses for Graduate Students

101. *Orthodontia*.—One to three units. Professor NOYES, Professor BRODIE.



PANORAMIC VIEW OF MEDICAL AND DENTAL BUILDINGS



CHICAGO WEST SIDE



HOSPITAL FOR NURSES

HOSPITAL

MEDICAL SCHOOL

COLLEGE SURGERY

MCCORMICK INSTITUTE FOR INFECTIOUS DISEASES

DURAND HOSPITAL

HOSPITAL

UNIVERSITY OF ILLINOIS COLLEGE OF PHARMACY

PSYCHOPATHIC HOSPITAL

OF ILLINOIS LABORATORIES BUILDING (SECOND UNIT)

RESEARCH AND EDUCATIONAL HOSPITALS

UNIVERSITY OF ILLINOIS DISPENSARY

DEPARTMENT OF PUBLIC WELFARE STATE OF ILLINOIS

INSTITUTE

FOR RESEARCH

NURSES HOME

POWER PLANT

MEDICAL CENTER

ELEVATED MARSHFIELD AVE STATION

10 MINUTES TO LOOP

DOUGLAS PARK GARFIELD PARK HUMBOLDT PARK & LOGAN SQUARE BRANCHES AND THE CHICAGO AURORA & ELGIN RAILROAD

ASHLAND AVE

STREET

STREET

STREET

STREET

WOOD STREET

TAYLOR STREET

METROPOLITAN DOUGLAS PARK

ELEVATED BRANCH

POLK ST STATION



MAIN READING ROOM OF THE LIBRARY

PATHOLOGY AND BACTERIOLOGY

Professors: DAVIS (Head of the Department), PETERSEN, ARNOLD.

Associate Professors: PILOT, LEVINSON, NEDZEL.

Assistant Professors: LADD, MILLES.

Required Courses

SECOND YEAR

21. *General Bacteriology*.—Sterilization; disinfection; preparation of culture media; general morphologic and cultural characteristics of bacteria; isolation, cultivation, and identification of pathogens; relation of bacteria to disease; immunity; vaccines; application of principles of bacteriology to problems of hygiene. Animal experiments are used where appropriate. This course covers the general principles of bacteriology and immunology. Lectures, recitations, and demonstrations, 3; laboratory, 2 three-hour periods. *I.* Professor ARNOLD, Associate Professor NEDZEL, and assistants.

THIRD YEAR

31. *General Pathology*.—Principles of general pathology. Circulatory disturbances, retrogressive and progressive changes, inflammation, tumors and the special pathology of the important organs of the body. Emphasis is placed upon the study of gross specimens both fresh and preserved. Attendance upon autopsies is required in the second half of the semester. Lectures, recitations, and demonstrations, 3; laboratory, 3 two-hour periods. *I. Prerequisite:* Pathology and Bacteriology 21 and Physiology 21-22. Professor PETERSEN, Assistant Professor LADD, and assistants.

Courses for Graduate Students

101. *Advanced Pathogenesis*.—One to three units. Professors PETERSEN and ARNOLD, Associate Professor PILOT.
103. *Individual Research*.—One to four units. Professors PETERSEN and ARNOLD, Associate Professor PILOT.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

Professors: WELKER (Head of the Department).

Associate Professors: BERGEIM.

Assistant Professors: COLE.

Associates: JOHNSON.

Assistants: BRIGGS, HARVEY.

Required Courses

FIRST YEAR

11. *Physiological Chemistry*.—Physico-chemical properties of solutions. Chemistry of carbohydrates, lipides, and proteins. Enzymes and digestion. Lecture, demonstration, conference, 2; laboratory, 3½. *I.* Associate Professor BERGEIM, Assistant Professor COLE, Dr. BRIGGS, Mr. HARVEY.
12. *Physiological Chemistry*.—Chemistry of bile, blood, milk, and tissues. Metabolism. Chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences, 2; laboratory, 3½. *II.* Associate Professor BERGEIM, Assistant Professor COLE, Dr. BRIGGS, Mr. HARVEY.

SECOND YEAR

22. *Metallurgy*.—The general principles of metallurgy. Extracting and refining of the various metals used in dentistry. The physical properties of metals. Analysis of ores, alloys, solders, and cements; refining of gold, silver, and tin. Preparation of alloys and solders. Lectures or conferences, 1; laboratory, 1 two-hour period. II. Professor WELKER, Dr. JOHNSON.

Elective Courses

FOURTH YEAR

51. *Metallurgy*.—An advanced course open to graduates or to students who have satisfactorily completed Metallurgy 22. Hours to be arranged. Professor WELKER.
- Research*.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigation.

Courses for Graduate Students

101. *Advanced Biological Chemistry*.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.
102. *Metallurgical Research*.—One or two units. Professor WELKER.
103. *Biochemical Research*.—One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

Professors: WAKERLIN (Head of the Department), BACHEM, GELLHORN.

Associate Professors: REED.

Instructors: INGRAHAM, STRUCK, STECK, MINARD.¹

Assistants: KLEIN, YESINICK.

Required Courses

SECOND YEAR

- 21-22. *Human Physiology*.—The functions of the several tissues and organs, and the correlation and regulation of their activities in the human organism. Lectures, conferences, demonstrations, 3, I, 3½, II; laboratory. 3, I, 6, II, *Prerequisite*: Physiological Chemistry 11 and 12. Professor WAKERLIN, Dr. INGRAHAM, and staff.

Elective Courses

(Open only to qualified students. Time to be arranged.)

51. *Special Advanced Physiology*.—This course is designed to meet the needs of students desiring advanced, detailed knowledge of a limited field, and in each semester different fields are selected and announced in advance. Subjects covered are: blood, heart, muscle, gastro-intestinal tract, endocrinology, general metabolism and nutrition, growth, and neurophysiology. Professors WAKERLIN and GELLHORN, Associate Professor REED.
55. *Problems in Physiology*.—Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

¹Beginning March 1, 1938.

Courses for Graduate Students

101. *Research in Physiology*.—One to three units. Professor WAKERLIN, Professor GELLHORN, Associate Professor REED.
102. *Research in Biophysics*.—One to three units. Professor BACHEM.
103. *Seminar in Selected Fields*.—One unit per semester. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.
104. *Current Literature Seminar*.—One-half unit per semester. Required of all graduate students in physiology. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

PROSTHETIC DENTISTRY

CROWNS AND FIXED PARTIAL DENTURES

Professors: DITTMAR (Head of the Department), TYLMAN.

Associates: BAZOLA.

Instructors: BRAY.

Assistants: LARSEN, CURTIS, SINIARSKI.

Required Courses

SECOND YEAR

21. *Dental Materials*.—The course establishes a basis for the use of dental materials and for their manipulation. Lecture, 1; demonstration and laboratory, 1 two-hour period. *I.* Professor TYLMAN, Dr. CURTIS.
22. *Technic*.—Construction of inlay, three-quarter and crown retainers; pontics, simple types of fixed and semi-fixed partial dentures. Lecture, 1; laboratory, 2 three-hour periods. *II. Prerequisite:* Operative Dentistry 11-12. Professor TYLMAN, Dr. BAZOLA, Dr. BRAY, Dr. LARSEN, Dr. CURTIS, Dr. SINIARSKI.
24. *Ceramics*.—History, physical characteristics, and application of porcelain; preparations; construction of complete crowns and pontics; stains. Laboratory, 1 three-hour period. *II.* Professor TYLMAN, Dr. BRAY, Dr. LARSEN, Dr. CURTIS, Dr. SINIARSKI.

THIRD YEAR

31. *Technic*.—Compound types of fixed and semi-fixed partial dentures. Lecture or quiz, 1; laboratory, 2 three-and-a-half-hour periods. *I. Prerequisite:* Crowns and Fixed Partial Dentures 22 and 24. Professor TYLMAN, Dr. BAZOLA, Dr. BRAY, Dr. LARSEN, Dr. CURTIS, Dr. SINIARSKI.
- 35-36. *Clinical Practice*.—Simple types of crowns and partial dentures; diagnosis. Conferences and demonstrations to groups. Lecture, 1, bi-weekly. *I, II. Prerequisite:* Crowns and Fixed Partial Dentures 31. Professors DITTMAR and TYLMAN, Dr. BAZOLA, Dr. BRAY, Dr. LARSEN, Dr. CURTIS, Dr. SINIARSKI.

FOURTH YEAR

- 41-42. *Diagnosis*.—Diagnosis and treatment of more difficult clinical cases. Prosthetic treatment of facial and oral defects. Lectures and demonstrations, 1, bi-weekly. *I, II. Prerequisite:* Crowns and Fixed Partial Dentures 36. Professors DITTMAR and TYLMAN.

- 45-46. *Clinical Practice*.—Diagnosis; complex types of fixed and semi-fixed partial dentures, obturators; porcelain restorations. Conferences and demonstrations. *I, II. Prerequisite:* Crowns and Fixed Partial Dentures 36. Professors DITTMAR and TYLMAN, Dr. BAZOLA, Dr. BRAY, Dr. LARSEN, Dr. CURTIS, Dr. SINIARSKI.

Elective Courses

51. *Dental Materials*.—A study of the chemical and physical properties of the materials used in dentistry. Lecture, 1; laboratory, 1 three-hour period. *I.* Professor TYLMAN.

Special Courses for Dentists

61. *Dental Ceramics*.—Instrumentation and a review of various types of porcelain jacket crown preparations. An intensive study of the manipulation and properties of dental porcelains and stains. Clinical procedures involving the construction of porcelain veneer crowns. Fee for one month, \$50. Professor TYLMAN.
62. *Crowns and Fixed Partial Dentures*.—The principles underlying the preparation and construction of bridge retainers, pontics, and connectors. An analysis of clinical data in relation to proper diagnosis, classification, and indications of various types of fixed restorations. A correlation of the manipulation and properties of the various materials used in this course. Fee for one month, \$50. Professor TYLMAN.

FULL DENTURES AND REMOVABLE PARTIAL DENTURES

Professors: KELLOGG, KUBACKI.

Instructors: HATTENHAUER.

Assistants: KING, HOGAN,¹ ANDERSON.

Required Courses

FIRST YEAR

- 11-12. *Technic*.—Partial denture construction. Lecture, 1; laboratory, 1 two-hour period. *I, II.* Professors KELLOGG and KUBACKI, and assistants.

SECOND YEAR

- 21-22. *Technic*.—Partial and full denture construction. Lecture, 1; *I, II.* Laboratory, 1 three-hour period, *I*; 2 two-and-a-half-hour periods, *II.* *Prerequisite:* Technic 11-12. Professors KELLOGG and KUBACKI, and assistants.

THIRD YEAR

- 35-36. *Clinical Practice*.—Partial and full dentures. Conferences and demonstrations to groups. *I, II.* Lecture, 1, bi-weekly. *II. Prerequisite:* Technic 21-22. Professors DITTMAR, KELLOGG, and KUBACKI, and assistants.

FOURTH YEAR

- 45-46. *Clinical Practice*.—Partial and full denture construction. Lecture, 1, bi-weekly. *I, II. Prerequisite:* Clinical Practice 35-36. Professors DITTMAR, KELLOGG, and KUBACKI, and assistants.

¹Resignation effective May 16, 1938.

Special Courses for Dentists

61. *Denture Prosthesis*.—The complete construction of full dentures, embracing theory and methods related to various clinical types. Methods of securing correct jaw relations; types of faces and their esthetic relation to the selection of teeth. The construction of at least one practical case in one of the newer resinous materials. Fee for one month, \$50. Professors KELLOGG and KUBACKI.
62. *Partial Dentures*.—Theory and construction of partial dentures; mouth and tooth preparation; theory of clasp construction; palatal arches and lingual bars; one piece and assembled castings; effects of applied stress and occlusion. The construction of a practical case. Fee for one month, \$50. Professors KUBACKI and KELLOGG.

ROENTGENOLOGY

Professors: HARTUNG, BACHEM.

Technicians: ANDERSON, MALONEY.

Required Courses

THIRD YEAR

1. *Roentgenology*.—History and theory. Lectures, 1 (2 weeks). I. Professor BACHEM.
- 3-4. *Roentgenology*.—Technic and clinical practice. Demonstrations and conferences. Students assigned in groups. 1 two-hour period. I, II. Miss ANDERSON.

PROVISIONAL SUMMARY OF CLOCK HOURS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy.....	32	96	32	96	256
Dental Anatomy.....	16	48	16	48	128
Dental Histology.....	..	..	32	64	96
Dentures, Removable, Partial.....	16	32	16	32	96
Histology.....	32	64	..	..	96
History of Medicine and Dentistry.....	16	..	16	..	32
Neurology.....	..	..	16	16	32
Physiological Chemistry.....	32	56	32	56	176
<i>Total</i>	144	296	160	312	912
SECOND YEAR					
Bacteriology.....	48	96	..	..	144
Crowns and Fixed Dentures.....	..	..	16	144	160
Dental Materials.....	16	32	..	..	48
Dentures, Removable, Partial and Full.....	16	48	16	80	160
History of Medicine and Dentistry.....	16	..	16	..	32
Operative Dentistry.....	16	96	16	48	176
Physiology.....	48	48	56	96	248
Therapeutics.....	..	..	16	48	64
Metallurgy.....	..	..	16	32	48
<i>Total</i>	160	320	152	448	1,080

Subjects	First Semester		Second Semester		Total Clinic	Total
	Didactic	Laboratory	Didactic	Laboratory		
THIRD YEAR						
Anaesthetics.....	6	..	..	..	..	6
Clinical Pediatrics.....	16	..	..	..	16	32
Crowns and Fixed Dentures.....	8	..	..	..	166	174
Crowns and Fixed Dentures, Technic.....	16	112	..	..	..	128
Dentistry and Society.....	..	..	16	..	..	16
Dentures, Removable.....	8	..	..	..	166	174
Dermatology.....	..	..	8	..	8	46
Diagnosis.....	..	..	..	..	9	9
Extraction Clinic.....	..	..	..	..	9	9
Fundamentals of Occlusion.....	16	..	..	..	..	16
Hygiene and Public Health.....	16	..	..	..	..	16
Materia Medica.....	32	..	..	..	..	32
Medicine.....	16	..	16	..	..	32
Operative Dentistry.....	16	..	16	..	166	198
Oral Pathology.....	32	48	..	..	..	80
Orthodontia.....	..	..	16	64	..	80
Pathology.....	48	96	..	..	..	144
Pharmacodynamics.....	..	..	..	32	..	32
Roentgenology.....	10	..	..	..	4	14
Therapeutics.....	..	..	32	..	166	198
<i>Total</i>	240	256	104	96	710	1,406
FOURTH YEAR						
Crowns and Fixed Dentures.....	8	..	8	..	174	190
Dentistry for Children.....	6	..	..	..	66	72
Dentures, Removable.....	8	..	8	..	174	190
Diagnosis.....	..	..	..	..	32	32
Elective.....	16	48	..	..	..	64
Extraction Clinic.....	..	..	..	..	48	48
Jurisprudence.....	..	..	6	..	..	6
Medicine.....	16	..	16	..	32	64
Operative Dentistry.....	8	..	8	..	174	190
Oral Surgery.....	16	..	16	..	128	160
Orthodontia.....	16	..	..	..	64	80
Seminar.....	..	..	32	..	..	32
Therapeutics.....	..	..	..	..	174	174
Therapeutics, Didactic.....	16	32	..	..	..	48
<i>Total</i>	110	80	94	..	1,066	1,350

REGISTER OF STUDENTS, 1937-38

Fourth-Year Class

Alpern, Elliott William, B.S., Illinois
 Bahador, Massis Armen, B.S., Armenia
 Beckoff, Nathan, D.D.S., New York
 Berk, Dayton Belaroue, B.S., Illinois
 Birn, Nathan, Illinois
 Bostian, Paul, A.B., Illinois
 Carter, Russell Lawrence, B.S., Illinois
 Cohen, Andrew B., B.S., Illinois
 Coven, Jesse Herbert, A.B., B.S., New York
 Dreifus, Max, Dr.Med.Dent., Germany
 Emanuelson, John Edward, B.S., Illinois
 Engel, Milton Baer, Illinois
 Erlitz, Perry, Illinois
 Falkenstein, Eric, Dr.Med.Dent., Germany
 Finley, Herbert, Illinois
 Flachner, Stanley J., A.B., B.S., New York
 Frey, Glen Everett, B.S., Illinois
 Gechman, Paul, B.S., Illinois
 Gibbs, William Joseph, B.S., Illinois
 Griffo, Salvatore, B.S., Illinois
 Hocksema, Walter, Illinois
 Horowitz, Elias, B.S., Illinois
 Karzewski, Harry Alex, B.S., Illinois
 Klein, Arthur Deo, Jr., B.S., Illinois
 Knoll, Nathan Sidney, B.S., New York
 Kwapisz, Henry John, B.S., Illinois
 Land, Adolf H., Dr.Med.Dent., Germany
 Leib, Henry Harold, B.S., Illinois
 Lesko, Edward James, B.S., Illinois
 Levine, Louis, A.B., Illinois
 Mortensen, Alfred Nelson, Illinois
 Ohringer, Joseph, Dr.Med.Dent., Germany
 Ragan, Edward Harry, B.S., Illinois
 Rosenbush, Joseph James, A.B., B.S., New York
 Rubin, Robert Roy, B.S., Illinois
 Rueter, Donald Henry, B.S., Illinois
 Sammet, Max Bernhart, Dr.Med.Dent., Germany
 Schneider, Clarence, B.S., New York
 Shapiro, Isadore M., B.S., M.D., Illinois
 Spector, Daniel H., Illinois
 Spodak, Harry, B.S., Illinois
 Tanner, Harvey Allen, B.S., Illinois
 Weingarten, Morris, Illinois
 Werch, Howard, B.S., Illinois
 Wesoke, Philip, B.S., Illinois
 Wolavka, Charles, Illinois
 Wunderlich, Edward Herman, B.S., Illinois
 Yarchoan, Zachary, B.S., New York
 Ziment, Jack, B.S., New Jersey

Third-Year Class

Block, Alfred, A.B., B.S., New York
 Bond, Stewart Leroy, B.S., Illinois
 Borden, John Victor, B.S., Illinois
 Brookstra, Marvin Everhardt, B.S., Illinois
 Donshik, Alexander, B.S., New York
 Eigen, Morris, B.S., New York
 Feinstein, Nathan Haynes, Illinois
 Fernhoff, Maurice Aaron, A.B., B.S., New York
 Goldschein, Irving, B.S., Illinois
 Goodman, Jack William, B.S., Illinois
 Gurian, Bernard, B.S., Illinois
 Hillebrand, Richard John, Illinois
 Holic, Richard, B.S., Illinois
 Holstein, Irving Julian, B.S., Illinois
 Hulswit, Franklin Frederick, Indiana
 Johnson, Franklin Andrew, B.S., Illinois
 Kasden, Harold, B.S., New York
 Kowalski, Stanley Marvin, Illinois
 Lefkow, Leo, A.B., New York
 Litz, Bernard Rozov, Illinois
 Mark, Albert Allen, B.S., Illinois
 Massler, Maury, B.S., Illinois
 Moffett, Robert Lee, B.S., Illinois
 Moore, Gerald Wallace, Illinois
 Radziejewicz, Henry Stanley, A.B., B.S., New York
 Sachs, Sidney Howard, New Jersey
 Sandman, Jordan Phillip, A.B., Illinois
 Saylor, James Eugene, B.S., Illinois
 Silowitz, Milton Joseph, New York
 Silverstein, Abraham, B.S., New York
 Smith, Solomon, B.S., Illinois
 Sorrentino, Jeremiah Gennaro, B.S., New York
 Stanmeyer, William Robert, B.S., Illinois
 Stockton, Roger Kenneth, Illinois
 Sullivan, Edward Joseph, B.S., Illinois
 Watkins, Raymond Harrie, A.B., Illinois
 Weiss, Marvin, B.S., Illinois
 Wener, Isidore Sol, Illinois

Second-Year Class

Annin, Benjamin F., Jr., A.B., Texas
 Belkin, George Herman, A.B., New York
 Bernstein, Morton Louis, B.S., New York
 Bosscher, Gerard Paul, Illinois
 Branscum, George Paul, Illinois
 Burnstein, Sol Charles, Illinois
 Buzenski, Edmund, Connecticut
 Caprow, Peter Gordon, B.S., Illinois
 Cohen, Herman Joseph, A.B., New York
 Deutschman, Vernon Thomas, Illinois
 Dittmar, George Walter, Jr., A.B., Illinois
 Dubrosky, Philip, Illinois
 Gannon, Franklin Elvin, Illinois
 Goldsmith, Milton, Illinois
 Goode, Louis A., Illinois
 Gray, William M., Illinois
 Grissom, Wayne Stanley, Illinois
 Hauptman, Jack, Illinois
 Hopp, Samuel Leonard, Illinois
 Kessler, Simon, New York
 Korf, Stanley Robert, Illinois
 Kowal, Philip, Illinois
 Kruchkow, Norman, B.S., New York
 Kurti, Bert, New Jersey
 Levin, Samuel S., Illinois
 Lome, Anita Enid, Illinois
 Macaluso, Alfred Charles, Illinois
 Marc, Arthur Lowell, B.S., Illinois
 Maurice, Charles George, Illinois
 Nelson, Frank Arthur, Illinois
 Nowak, Mitchell Joseph, Illinois
 Patella, John, New York
 Puklin, Marvin Morton, Connecticut
 Rabinovitz, Harry David, Illinois
 Rosen, Jack, Illinois
 Rubens, Philip, Illinois
 Schnittman, Henry, New York
 Seifer, Henry Harold, Illinois
 Sereda, Walter Jacov, Illinois
 Skudowitz, Daniel Richard, New York
 Warner, Muriel Estelle, Illinois
 Washburn, Kenneth Clinton, Illinois
 Wilde, Norbert John, Illinois
 Wojahn, William Ted, Illinois

First-Year Class

Abelson, Arthur Jacob, New York	King, Robert Woodrow, Illinois
Abrams, Irving, B.S., New York	Kinsinger, Wayne Joseph, Illinois
Aronow, Calvin Warren, B.S., New York	Kloris, Matthew Peter, Illinois
Bechtolt, Robert Carroll, Illinois	Kowal, Morris, New York
Berkowitz, Joseph, Illinois	Levin, Bernard Samuel, Illinois
Blatchley, Robert Parsons, B.S., Illinois	Lindstrom, Irene Brooks, Illinois
Blumenthal, Harvey Jack, Illinois	Linkon, Jack, Illinois
Bone, Glen Eugene, Illinois	MacLean, Grant Alexander, Illinois
Cauldwell, Russell Wilford, Illinois	Mayer, George Florian, Illinois
Cohen, Sam Elias, B.S., New York	McAloon, Charles Bernard, New York
Cooper, Alonzo, Illinois	Meilach, Melvin Meyer, Illinois
Davidson, Louis, B.S., New York	Meyer, Gustave, A.B., New York
Devereaux, Carpenter F., Ph.C., Illinois	Modjeski, Phil James, Illinois
Eckert, Elmer Arthur, Illinois	Neglia, Ross Andrew, Illinois
Edwards, Harvey Reeves, Illinois	Oringel, Howard, Illinois
Falkoff, Benjamin, New York	Orland, Frank Joseph, Illinois
Feinstein, Irving, New York	Osinskis, Walter Bruno, Illinois
Felsenfeld, Irving, New York	Pinchuk, Clement, Illinois
Ferencz, Albert, Illinois	Remensnyder, Ross William, Illinois
Fidel, George, New Jersey	Rovner, Ralph Louis, Illinois
Fisher, Glen Cloyd, Illinois	Rubin, Simon, B.S., New York
Ganetis, Thomas Anthony, B.S., New York	Salutzky, David Marshall, New York
Gillotte, Aldo Edward, Illinois	Sarnat, Bernard George, B.S., M.D., Illinois
Gizowsky, Henry Marcus, Illinois	Schoondermark, Arthur Hulvei, Illinois
Glick, Leo Leonard, Illinois	Sciaraffa, Gerard James, Illinois
Goldstein, Jesse, New York	Splichal, Frank, Illinois
Gordon, James Robert, Illinois	Staropoli, Frank Charles, New York
Guzzardo, Bennie, Illinois	Stone, Leonard, B.S., New York
Halperin, Abraham Solomon, Illinois	Upton, Everett Lindsey, Illinois
Halperin, Victor, A.B., New York	Vullo, Joseph, New York
Harvey, Ernest Watts, New York	Waldman, Richard Stanley, Illinois
Heaton, Herbert Francis, Illinois	Weihe, Rudolph George, Illinois
Hollander, Walter Morris, Illinois	Wolf, Earl George, Illinois
Iciek, Michael Joseph, Illinois	Yakoubian, Arshag, Arthur, New Jersey
Kaplan, Seymour Joseph, New York	Yellin, Bernard, Illinois
Katzman, Harold Aaron, New York	

DEGREES CONFERRED, 1937

Degree of Doctor of Dental Surgery

Conferred in June, 1937

HENRY FOX, B.S.	HENRY MINTZ, B.S.
JACK FRIEDLANDER, B.S.	MAX MOTEW, B.S.
JACOB MARTIN GOLDSTEIN, B.S.	DONALD FRANK NIX, B.S.
MURRAY MITCHELL HOFFMAN, B.S.	LAMBERTUS STEGEMAN RIEDEL
ARTHUR BERNARD JUSTUS	EDWIN JACK ROSS
EDGAR FREDERICK LANE	CAESAR RICHARD RUGGIERI, B.S.
JOHN JAMES LITTIG, B.S.	RUDOLPH SCHEIM, B.S.
JAMES NORMAN LYNCH, B.S.	CASIMIR SINTIARSKI
RALPH MARGULIES, B.S.	HENRY LEWIS WENTE, B.S.
ERWIN ROBERT MELCHER, B.S.	

Conferred in August, 1937

ROBERT ARTHUR GREENBERG	HARRY GEORGE LEVENTYN, B.S.
CURT JOSEPH GRONNER, B.S.	RAYMOND AUBREY WINDER, B.S.

Degree of Bachelor of Science in Dentistry

Conferred in June, 1937

DAYTON BELAROUÉ BERK	MAURICE AARON FERNHOFF
ALFRED BLOCK, A.B.	GLEN EVERETT FREY
STEWART LEROY BOND	WILLIAM JOSEPH GIBBS
MARVIN EVERHARDT BROOKSTRA	IRVING GOLDSCHIEIN
ALEXANDER DONSHIK	JACK WILLIAM GOODMAN
MORRIS EIGEN	SALVATORE GRIFFO

BERNARD GURIAN
RICHARD HOLIC
IRVING JULIAN HOLSTEIN
FRANKLIN ANDREW JOHNSON
ARTHUR BERNARD JUSTUS
EDGAR FREDERICK LANE
ALBERT ALLEN MARK
ROBERT LEE MOFFETT

HENRY STANLEY RADZIEWICZ, A.B.
LAMBERTUS STEGEMAN RIEDEL
ABRAHAM SILVERSTEIN
SOLOMON I. SMITH
WILLIAM ROBERT STANMEYER
EDWARD JOSEPH SULLIVAN
MARVIN B. WEISS
EDWARD HERMAN WUNDERLICH

ALUMNI ASSOCIATION OF THE COLLEGE OF DENTISTRY

1938

Officers

HAROLD J. NOYES, '28, *President*
C. W. FORSLUND, '19, *President-Elect*
RAYMOND WORSLEY, '21, *Vice-President*

DONALD L. MCELROY, '32, *Secretary*
ARTHUR L. ALBAN, '32, *Treasurer*

Executive Committee

PETER WLODKOWSKI, '30
ERNEST MYER, '29
FRED BAZOLA, '28

ROSCOE W. UPP, '16
ROBERT D. CURTIS, '36
FRANK C. BESIC, '34

Advisory Council

JOHN LA DUE, '05
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EDWARD G. ROBBINS, '24
DAVID A. FRANKEL, '07

JAMES D. MERSHIMER, '17
BERNARD D. FRIEDMAN, '12
EDWARD J. RYAN, '21
W. HOWARD KUBACKI, '17
R. G. KESEL, '26

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE
AND DENTISTRY

DEPARTMENTS

Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry and Metallurgy; Physiology; Psychiatry; Surgery.

Announcement of
Summer Session of 1938, June 11 to September 10,
and Session of 1938-39

GRADUATE SCHOOL CALENDAR
(CHICAGO)

Summer Session

1938

June 11 and 13, Saturday and Monday....Registration days.
June 13, Monday.....Summer Session begun.
Sept. 10, Saturday.....Summer Session ended.

First Semester

Sept. 10, Saturday.....Last day for candidates for doctors' degrees in
October to deposit theses.
Sept. 12, Monday.....Last day for candidates for masters' degrees in
October to file applications for degrees and to
deposit theses.
Sept. 28-29, Wednesday-Thursday.....Registration days.
Nov. 24, Thursday.....Thanksgiving Day.
Dec. 24, Saturday, 6 P.M.....Holiday recess begun.

1939

Jan. 9, Monday, 8 A.M.....Instruction resumed.
Jan. 9, Monday.....Last day for filing applications for masters
degrees to be conferred in February.
Jan. 9, Monday.....Last day for candidates for doctors' degrees in
February to deposit theses.
Jan. 16, Monday.....Last day for candidates for masters' degrees in
February to deposit theses.

Second Semester

Feb. 8-9, Wednesday-Thursday.....Registration days.
Mar. 23, Thursday.....Last day for filing applications for masters'
degrees to be conferred in June.
April 6, Thursday, 6 P.M.....Easter recess begun.
April 10, Monday, 8 A.M.....Instruction resumed.
May 8, Monday.....Last day for candidates for doctors' degrees in
June to deposit theses.
May 15, Monday.....Last day for candidates for masters' degrees in
June to deposit theses.
May 30, Tuesday.....Memorial Day.
June 9, Friday.....Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL¹

1937-38

ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

ROBERT DANIEL CARMICHAEL, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*
DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
REYNOLD CLAYTON FUSON, Ph.D., *Professor of Organic Chemistry*
HARRY STUART VEDDER JONES, Ph.D., *Professor of English*
SIMON LITMAN, Dr. Jr. Pub. et Rer. Cam., *Professor of Economics*
FRANCIS WHEELER LOOMIS, Ph.D., *Professor of Physics*
HERBERT FISHER MOORE, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
GLENN RAYMOND MORROW, Ph.D., *Professor of Philosophy*
WILLIAM SPENCE ROBERTSON, Ph.D., *Professor of History*
WORTH HUFF RODEBUSH, Ph.D., *Professor of Physical Chemistry*
HENRY PERLY RUSK, M.S., *Professor of Cattle Husbandry*
HIRAM THOMPSON SCOVILL, A.B., C.P.A., *Professor of Accountancy*
RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*
WILBUR M. WILSON, M.M.E., C.E., *Research Professor of Structural Engineering*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, M.D., Ph.D., *Chairman*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, Ph.D., M.D.
WILLIAM HENRY WELKER, A.C., Ph.D., *Secretary*
ROBERT WOOD KEETON, M.S., M.D.
WARREN HENRY COLE, B.S., M.D.
OTTO FREDERIC KAMPMEIER, Ph.D., M.D.

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY²

1937-38

DAVID JOHN DAVIS, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*
OTTO FREDERIC KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*
WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, and Director of the Children's Clinic*

¹The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

²The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

- OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*
ALBERT BACHEM, Ph.D., *Professor of Biophysics*
FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology, and Head of the Department*
JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*
FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*
LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*
WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
HAROLD DOUGLAS SINGER, M.D., *Professor of Psychiatry, Head of the Department, and Director of the Psychiatric Institute*
HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*
GEORGE BORIS HASSIN, M.D., *Professor of Neurology*
ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
RICHARD HERMANN JAFFÉ,¹ M.S. M.D., *Professor of Pathology*
ISAAC SCHOUR, D.D.S., Ph.D., *Professor of Histology and Head of the Department*
ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*
ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and of Medicine*
HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
MRS. CARROLL LAFLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*
ARTHUR GIDEON COLE,² Ph.D., *Assistant Professor of Physiological Chemistry*
ERIC OLDBERG, M.D., Ph.D., *Professor of Neurology and Neurological Surgery, and Head of the Department*
GERHARDT VON BONIN, M.D., *Associate Professor of Anatomy*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Associate Professor of Surgery*
CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
ALLAN GIBSON BRODIE, D.D.S., M.S., *Professor of Orthodontia and Head of the Department*
RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Surgery*
GÉZA DE TAKATS, M.D., M.Surg., *Associate Professor of Surgery*
WARREN HENRY COLE, B.S., M.D., *Professor of Surgery and Head of the Department*
ROBERT GEORGE KESEL, D.D.S., M.S., *Assistant Professor of Dental Pathology and Therapeutics, and Acting Head of the Department*
FRANCIS LOEFFLER LEDERER, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
GEORGE E. WAKERLIN, Ph.D., M.D., *Professor of Physiology and Head of the Department*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Pathology*

¹Deceased December 17, 1937.

²On leave of absence for six months beginning September 24, 1937.

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the Department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Master's Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. Four to five units constitute a normal semester program for the master's degree. A minimum of eight units must be completed for the degree. Only first-rate students are permitted to secure a degree with this minimum program. In some departments special examinations are required of candidates for master's degrees. In all cases the student must satisfy the duly approved conditions set by his major and minor departments.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. "D" indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below "B" during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below "B" disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is desirable for all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half-year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis



DENTAL PATHOLOGY AND THERAPEUTICS INFIRMARY



MINOR ORAL SURGERY CLINIC

subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required for a master's degree ordinarily will demand from one to two units of work, and may not exceed three units except by special permission. The thesis must be typewritten, on "thesis paper,"¹ and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis. Permission for the publication of the material of a master's thesis should be obtained from the Dean of the Graduate School before such publication is carried out.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of \$20.00.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is \$10.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar on page 38.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work.

Period of Study.—The normal minimum period of study required for the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other uni-

¹No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

versities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Examinations in Languages.—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

Examinations in Major and Minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year (not later than October 15), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*, and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars (\$75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars (\$75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of master's and doctor's theses," copies of which may be obtained at the Secretary's office.

The degree of Doctor of Philosophy is conferred only in June, October, and February.

Fees

Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee.....	\$10.00
Incidental fee (summer session).....	25.00
Students not residents of Illinois pay an incidental fee of.....	37.50
Incidental fee (semester).....	35.00
Students not residents of Illinois pay each semester an incidental fee of.....	62.50
Late registration fee.—Students who enter the Graduate School after registration day are charged a late registration fee of.....	5.00
Graduation fee.....	10.00
For change in study-list.....	1.00

Laboratory fees are assessed to cover the cost of materials used.

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is \$600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October at the beginning of the first semester.

All persons on University appointment or on appointment in allied surveys and laboratories in Urbana and the research and educational hospitals in Chicago, eligible for admission to University work, also superintendents, principals, and teachers employed in the public school systems of Illinois and teachers and members of the staff in colleges and universities in this state, when admitted to instruction in the Graduate School during the period of their employment, may be permitted to attend University classes for credit, on condition that they register and pay either the regular incidental fees, or, at their election, fees assessed at \$10.00 per unit. Persons on University appointment at a salary of \$1,600 or less who are registered in the Graduate School are exempt from all fees in courses for graduate credit.

For information concerning the privileges of deferring fees, see page 16 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Advanced Anatomy*.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redisection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. One to two units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.
103. *Individual Research*.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. One to three units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

DENTAL HISTOLOGY

101. *Advanced Dental Histology*.—One or two units. Professor SCHOUR.
102. *Research in Microscopic Anatomy (Teeth and Related Tissues)*.—One to three units. Professor SCHOUR.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics*.—One or two units. Assistant Professor KESEL.
103. *Therapeutic Research*.—One or two units. Assistant Professor KESEL.

DERMATOLOGY

101. *Research in Dermatology*.—One to three units. Professor SENEAR.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior*.—One to three units. Professor SCHROEDER.
102. *Advanced Work in Juvenile Behavior*.—One to three units. Professor SCHROEDER.
103. *Special Abilities and Disabilities*.—One or two units. Associate Professor BROWN.
104. *Psychological Tests*.—One or two units. Associate Professor BROWN.
105. *Psychology of Behavior Problems*.—One or two units. Associate Professor BROWN.
106. *Field Work in Criminology*.—One to three units. Professor SCHROEDER.

Training in clinical psychology is provided by courses offered at the Institute for Juvenile Research in Chicago. Students who have pursued requisite graduate courses in the Department of Psychology at Urbana may do part of their work at the Institute for Juvenile Research under the following conditions: The prerequisite to these courses is recommendation by the Department of Psychology and one year of graduate work with a major in psychology, or, in case of especially qualified students who have majored in psychology as undergraduates, one semester of graduate work. The minimum period of attendance at the Institute necessary for the Master of Arts degree is six months; and for the Doctor of Philosophy degree, one academic year. Recommended minors are education and sociology.

LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY

101. *Research in Laryngology, Rhinology, and Otology*.—One to three units. Professor LEDERER.

MEDICINE

101. *Research in Medicine*.—One to three units. Professor KEETON, Assistant Professor BIRCH.

NEUROLOGY AND NEUROLOGICAL SURGERY

101. *Research in Neurology*.—One to three units. Professor HASSIN.
102. *Research in Neurological Surgery*.—One to three units. Professor OLDBERG.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology*.—One to three units. Professor FALLS.

OPHTHALMOLOGY

101. *Research in Ophthalmology*.—One to three units.

ORAL SURGERY

101. *Pathology of Mouth*.—One or two units. Professor MOOREHEAD.
103. *Oral Surgery*.—Two units. Professor MOOREHEAD.

ORTHODONTIA

101. *Orthodontia*.—One to three units. Professors NOYES and BRODIE.

ORTHOPAEDICS

101. *Research in Orthopaedics*.—One to four units. Professor THOMAS.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis*.—One to three units. Professors DAVIS, PETERSEN, ARNOLD, and JAFFÉ, Associate Professor PILOT.
103. *Individual Research*.—One to four units. Professors DAVIS, PETERSEN, ARNOLD, and JAFFÉ, Associate Professor PILOT.

PEDIATRICS

101. *Research in Pediatrics*.—One to three units. Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY

101. *Advanced Pharmacodynamics*.—One to three units. Professors MCGUIGAN and CAMP.
103. *Research in Pharmacodynamics*.—One to three units. Professors MCGUIGAN and CAMP.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

101. *Advanced Biological Chemistry*.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.
102. *Metallurgical Research*.—One or two units. Professor WELKER.
103. *Biochemical Research*.—One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

101. *Research in Physiology*.—One to three units. Professors WAKERLIN and GELLHORN, Associate Professor REED.

102. *Research in Biophysics*.—One to three units. Professor BACHEM.
 103. *Seminar in Selected Fields*.—One unit. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.
 104. *Current Literature Seminar*.—One-half unit. Required of all graduate students in physiology. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

PSYCHIATRY

101. *Research in Psychiatry*.—One to three units. Professor SINGER.

SURGERY

101. *Research in Surgery*.—One to three units. Professor COLE, Associate Professors HERROLD, DE TAKATS, and PUESTOW.

GRADUATE SCHOOL DEGREES CONFERRED, 1937

Degree of Doctor of Philosophy

Conferred in February, 1937

IN BACTERIOLOGY

EMIL WEISS, M.D., University of Prague, 1919. The complete fixation test in tuberculosis.

Conferred in June, 1937

IN BACTERIOLOGY

NELL HIRSCHBERG, A.B., Smith College, 1928; A.M., University of Colorado, 1933. The effect of human tissue juices on tubercle bacilli.

HERBERT ELI McDANIELS, B.S., University of Chicago, 1925; M.S., 1932. Appraisal of public health work in Oak Park, Illinois.

IN PHYSIOLOGICAL CHEMISTRY

FRANCES AGNES BRIGGS, B.S., 1926; M.S., Tulane University, 1928. The effect of the intravenous injection of crystallized egg albumin on the excretion of the antigen and the blood proteins in the urine.

HELEN WOODWARD WADE, B.S., Washington University, 1926; M.S., Iowa State College, 1929. Creatine and creatinine excretion in myotonia congenita.

Degree of Master of Arts

Conferred in October, 1937

IN PSYCHOLOGY

ROBERTA PARKINSON FOSTER, A.B., Wellesley College, 1935

MILTON LAMBERT PHILLIPS, A.B., Stanford University, 1936

Degree of Master of Science

Conferred in February, 1937

IN BACTERIOLOGY

WALTER RICHARD HESS, B.S., University of Nebraska, 1927

IN ORTHODONTIA

JOHN MONROE SPENCE, B.S., 1933

IN PHYSIOLOGY

MURIEL EUNICE LESSER, B.S., University of Chicago, 1932

IN SURGERY

WILLIAM PHILIP KLEITSCH, B.S., 1934

WALTER SHRINER, B.S., 1935

Conferred in June, 1937

IN BACTERIOLOGY

FRANCES MARIE JACOBSON, B.S., 1933

MYRON JAME LEVIN, B.S., 1935

DOROTHY KATHRYN O'CONNOR, A.B., B.S., 1933, 1935

EDWARD ERNEST VICHER, B.S., 1935

IN MEDICINE

THRIFT GENE HANKS, B.S., 1936

IN OBSTETRICS AND GYNECOLOGY

GEORGE HENRY REZEK, A.B., M.D., 1928, 1933

IN PATHOLOGY

LOUIS OLSMAN, B.S., 1935

IN PHYSIOLOGICAL CHEMISTRY

NORTON WIEDER HOLDER, A.B., Western Reserve University, 1935

Conferred in October, 1937

IN OBSTETRICS AND GYNECOLOGY

DAVID WASSERMANN, B.S., 1935

IN PATHOLOGY

ABRAHAM IZZAK JACKMAN, B.S., 1935

IN PEDIATRICS

BENJAMIN MORRIS GASUL, B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925

IN SURGERY

JOHN TALBOT GERNON, B.S., M.D., 1927, 1929

ROBERT EARL REAGAN, B.S., M.D., 1928, 1930

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY 1937-38

EXPLANATION.—"S" indicates attendance during the Summer Session; "I," during the First Semester; "II," during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Abrams, Herbert Kerman, Chicago.—Pathology (II.)—B.S., Northwestern University, 1936.

Adams, James William, East Cleveland, Ohio.—Orthodontia (II.)—D.D.S., Ohio State University, 1936.

Alban, Arthur Louis, Chicago.—Oral Surgery (II.)—D.D.S., 1932.

Andrews, William Charles, Chicago.—Bacteriology (II.)

Angela, Frances, Chicago.—Bacteriology (S.II.)—B.S., Michigan State College, 1924.

Axelrood, Sylvia Edith, Chicago.—Physiological Chemistry (I.II.)—B.S., Northwestern University, 1937.

Barber, Elsa Hortense Romyn, Wasco.—Psychology (I.)—A.B., University of South Africa, 1921.

Bartoli, Adolph, Jr., LaSalle.—Physiology (S.II.)—B.S., 1937.

Bedinger, Paul Lincoln, Danville.—Medicine (S.I.II.)—A.B., B.S., M.D., 1931, 1934, 1935.

Berg, Max, Chicago.—Pathology (II.)—B.S., M.S., M.D., 1932, 1934, 1935.

- Berman, David, Chicago.—Dental Pathology and Therapeutics (I.II.)—B.S., D.D.S., 1934, 1935.
- Berman, Julius, Chicago.—Dental Pathology and Therapeutics (S.)—B.S., D.D.S., 1934, 1936.
- Bernet, Henry Scholten, Springfield.—Medicine (II.)—B.S., 1935.
- Black, Arnold, Chicago.—Bacteriology (II.)
- Blackerby, Philip Earle, Jr., Louisville, Kentucky.—Dental Pathology and Therapeutics (S.)—A.B., D.D.S., University of Louisville, 1930, 1933.
- Blatchley, Robert Parsons, Joliet.—Physiological Chemistry (I.II.)—B.S., 1937.
- Blaurock, Melvin Frank Otto, Oak Park.—Psychiatry (S.I.II.)—B.S., M.D., 1934, 1935.
- Bonnell, Ellis, Harrisburg.—Juvenile Behavior (S.I.)—B.S., M.D., 1933, 1934.
- Bookshester, David Abraham, Chicago.—Bacteriology (I.)—B.S., 1935.
- Boros, Harold Henry, Chicago.—Anatomy (I.)—B.S., Northwestern University, 1931; B.M., M.D., 1936, 1937.
- Brebis, George Joseph, Cicero.—Medicine (S.I.II.)—B.S., 1937.
- Brooks, Jack E., Chicago.—Psychiatry (II.)—B.S., 1936.
- Brown, Mary Louise, Chicago.—Bacteriology (S.I.II.)—A.B., 1935.
- Burroughs, Charles Elson, Oak Park.—Orthodontia (S.I.)—D.D.S., University of Maryland, 1934.
- Carstens, Herman Paul, Chicago.—Physiology (I.II.)—B.S., University of Chicago, 1932.
- Chobot, George Robert, Chicago.—Physiology (II.)
- Cohn, Arnold Louis, Chicago.—Physiology (II.)
- Cohn, Theodore, Chicago.—Bacteriology (I.II.)—B.S., University of Chicago, 1937.
- Corbus, Budd Clarke, Jr., Evanston.—Pathology (S.I.II.)—A.B., University of Wisconsin, 1929; B.M., M.D., Louisiana State University, 1936, 1937.
- Cornbleet, Theodore, Chicago.—Dermatology (I.)—B.S., St. Louis University, 1921; M.D., St. Louis University, 1923; M.S., 1931.
- Cumming, Thomas Stuart, Gardner.—Pathology (S.II.)—B.S., 1937.
- Darling, Ralph Philip, Waterman.—Psychology (I.II.)—A.B., A.M., 1932, 1933.
- Decker, Sam, Chicago.—Bacteriology (II.)—B.S., University of Chicago, 1936.
- Domme, Sheldon Edward, Naperville.—Physiology (S.)—A.B., North Central College, 1934; A.M., 1935.
- Dworin, Jack Walter, Chicago.—Pathology (I.II.)—B.S., 1937.
- Ehrlich, Jack, Chicago.—Orthodontia (S.I.)—B.S., D.D.S., 1934, 1936.
- Ehrlich, Joseph Charles, Chicago.—Medicine (I.)—B.S., Northwestern University, 1930; M.D., Rush Medical College, 1935.
- Ehrlich, Norman James, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.
- Elam, John Wesley, Jr., Chicago.—Bacteriology (I.II.)—B.S., Lewis Institute, 1934; B.S., 1937.
- Elman, Earl S., Chicago.—Orthodontia (II.)—D.D.S., Northwestern University, 1937.
- Esposito, Peter Thomas, Chicago.—Physiology (II.)—B.S., 1937.
- Fabian, Frank Carl, Chicago.—Oral Surgery (II.)—D.D.S., 1932.
- Feinberg, Milton, Chicago.—Medicine (II.)
- Ferguson, Ralph LeRoy, Elmhurst.—Pathology (I.)—B.S., Kansas State Teachers College of Pittsburg, 1925; M.S., Pennsylvania State College, 1928; M.D., University of Arkansas, 1935.
- Field, Frederick William, Monmouth.—Dental Histology (II.)—B.S., Monmouth College, 1935.
- Foster, Roberta Parkinson, Mt. Carmel.—Psychology (S.)—A.B., Wellesley College, 1935; A.M., 1937.
- Fuerstner, Paul Goldschmidt, Chicago.—Pathology (S.)—M.D., University of Freiburg, 1937.
- Gaines, Walter, Chicago.—Physiology (II.)
- Gant, Virgil Arnett, Lebanon.—Pharmacology (S.I.II.)—B.S., M.S., 1921, 1932.
- Gasul, Benjamin Morris, Chicago.—Pediatrics (S.)—B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925; M.S., 1937.
- Gecht, Adele, Chicago.—Physiology (II.)—B.M.E., Northwestern University, 1933.
- Gelfand, Leonard, Chicago.—Dental Histology (I.)—B.S., D.D.S., 1933, 1935.
- Gerber, Harold Xen, Chicago.—Physiological Chemistry (S.I.II.)—B.S., 1937.
- Gernon, John Talbot, Chicago.—Surgery (I.II.)—B.S., M.D., M.S., 1927, 1929, 1937.
- Glassman, Jacob Abraham, Chicago.—Anatomy (I.II.)—B.S., M.D., 1933, 1936.
- Glickman, Nathaniel, Chicago.—Physiology (S.II.)—B.S., University of Chicago, 1934; M.S., 1936.
- Goodman, Daniel Herschold, Galesburg.—Physiological Chemistry (II.)—A.B., Brooklyn College, 1935; M.S., 1936.
- Goodman, Louis, Chicago.—Pathology (I.)—M.D., Temple University, 1934.
- Gordon, Hyman Harry, Chicago.—Pathology (II.)—B.S., 1937.
- Gowen, G. Howard, Chicago.—Bacteriology (S.)—B.S., M.D., Northwestern University, 1926; M.S., Ph.D., 1933, 1937.
- Griep, Ernst August, Quincy.—Pharmacology (II.)
- Grimes, Clyde Don, Gurnee.—Pharmacology (II.)—A.B., University of Wichita, 1934.
- Grimmer, Everett Arthur, Chicago.—Dental Histology (I.)—D.D.S., Northwestern University, 1929.
- Grunwald, Marshall Frederick, Chicago.—Dental Pathology and Therapeutics (S.I.II.)—B.S., D.D.S., 1933, 1935.
- Hailman, Harold Frank, Chicago.—Medicine (II.)
- Hansen, Clarence Wyland, Chicago.—Dental Pathology and Therapeutics (II.)—D.D.S., 1929.
- Harris, Daniel William, Chicago.—Juvenile Behavior (I.)—B.S., 1935.
- Harrison, Donald James, Spokane, Washington.—Orthodontia (II.)—D.D.S., Marquette University, 1934.
- Hart, Florence Eunice, Oak Park.—Bacteriology (S.)—B.S., 1937.
- Harvey, Cecil Claude, Chicago.—Physiological Chemistry (S.I.II.)—B.S., University of Louisville, 1929; M.S., University of Chicago, 1931.
- Heath, Arthur Edwin, Downers Grove.—Bacteriology (S.I.II.)—B.S., 1932.
- Heimovitz, Jack S., Chicago.—Medicine (II.)
- Heimstra, Fred Albert, Blue Island.—Pathology (S.)—B.S., 1937.
- Helfrich, Loring Smith, Bushnell.—Pharmacology (I.II.)—B.S., Knox College, 1932.
- Herzberg, Fred, Chicago.—Dental Histology (II.)—B.S., D.D.S., Northwestern University, 1932.
- Hess, Walter Richard, Chicago.—Bacteriology (II.)—B.S., M.S., University of Nebraska, 1927, 1937.
- Hibbert, George Fielding, Chicago.—Obstetrics and Gynecology (S.I.II.)—B.S., University of Chicago, 1918; M.D., Rush Medical College, 1921.

- Hill, Harold Herrin, Oak Park.—Obstetrics and Gynecology (II.)—B.S., M.D., 1926, 1929.
- Hinman, Glidden, Winnetka.—Bacteriology (I.II.)—A.B., 1905.
- Hlavacek, Louis Joseph, Chicago.—Pathology (I.II.)—B.S., Lewis Institute, 1930.
- Hoffman, Murray Mitchell, Chicago.—Dental Histology. (I.II.)—B.S., D.D.S., 1935, 1937.
- Holder, Norton Wieder, Chicago.—Physiological Chemistry (I.II.)—A.B., Western Reserve University, 1935; M.S., 1937.
- Hong, Roy, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.
- Howe, Gertrude Elizabeth, Chicago.—Medicine (II.)—B.S., University of Chicago, 1936.
- Hughes, Edgar O., Champaign.—Physiology (II.)
- Ireneus, Carl, Jr., Chicago.—Surgery (I.II.)—B.S., M.D., 1933, 1936.
- Jackman, Abraham Izzak, Chicago.—Pathology (S.)—B.S., M.S., 1935, 1937.
- Jackson, Dewey DeWitt, Wheaton.—Dental Histology (I.)—B.S., D.D.S., 1934, 1936.
- Jackson, Mildred Ranney, Monmouth.—Bacteriology (II.)—B.S., Monmouth College, 1936.
- Jaruszewski, Edward John, Chicago.—Pharmacology (II.)—B.S., 1936.
- Jensik, Robert Joseph, Berwyn.—Medicine (S.I.II.)—B.S., 1936.
- Joffe, Herman, Chicago.—Surgery (S.I.II.)—B.S., 1936.
- Jones, Emily Reynolds, Oreana.—Bacteriology (S.I.II.)—B.S., M.S., 1936, 1937.
- Jourdan, Harve William, Jr., Newton.—Medicine (II.)
- Kanter, Lester, Chicago.—Pediatrics (II.)
- Kaplan, Maurice, Chicago.—Psychiatry (S.I. II.)—B.S., M.D., 1932, 1935.
- King, Elmer Guenther, Chicago.—Pharmacology (S.I.II.)—B.S., M.S., 1936, 1937.
- Kipke, Virginia, Chicago.—Bacteriology (II.)
- Kirch, Ernst Rudolf, Chicago.—Physiological Chemistry (S.I.II.)—Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1934.
- Klein, Arthur Deo, Jr., Gillespie.—Physiology (II.)—B.S., 1936.
- Klein, Harold, Chicago.—Physiological Chemistry (I.II.)—A.B., New York University, 1936.
- Klein, Max Edward, Chicago.—Dermatology (I.)—B.S., 1937.
- Krause, Leonard Schomer, Chicago.—Psychology (S.)—B.S., 1936.
- Kruger, Sam, Chicago.—Neurology (II.)
- Lakin, Herbert Sol, Chicago.—Physiological Chemistry (I.)—B.S., 1933.
- Lambert, Claude Needham, Chicago.—Orthopaedics (I.)—A.B., University of Utah, 1924; M.D., University of Chicago, 1928.
- Lambert, Edward Howard, Berwyn.—Physiology (S.I.II.)—B.S., 1936.
- Lichtenstein, Ben William, Chicago.—Neurology (S.I.)—B.S., M.D., M.S., 1930, 1933, 1936.
- Limarzi, Louis Robert, Chicago.—Medicine (I.)—B.S., M.D., M.S., 1928, 1931, 1937.
- Litwiller, Otto Bryan, Hopedale.—Oral Surgery (II.)—B.S., D.D.S., 1928.
- Madison, Ruth Virginia, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.
- Maher, Frank Thomas, Beardstown.—Pharmacology (I.II.)—B.S., 1937.
- Mann, Lawrence Stanley, Chicago.—Physiological Chemistry (S.II.)—B.S., 1937.
- Marks, Sidney, Chicago.—Physiology (II.)
- Martin, John Stephen, Oak Park.—Pediatrics (S.I.II.)—Ph.G., B.S., 1926, 1937.
- Mason, Herman Charles, Chicago.—Bacteriology (I.II.)—B.S., University of Chicago, 1932; M.S., 1936.
- McGuigan, Robert Alistair, Evanston.—Medicine (S.I.II.)—B.S., Northwestern University, 1932; M.D., McGill University, 1937.
- McKeever, Lewis Goodell, Gibson City.—Physiology (S.II.)—A.B., Illinois Wesleyan University, 1935.
- Mehlman, Jerome Saul, Chicago.—Pathology (S.)—A.B., Western Reserve University, 1933.
- Meyer, Esther, Chicago.—Bacteriology (II.)—Ph.G., 1924; B.S., University of Michigan, 1930; M.S., 1933.
- Miller, Herbert Samuel, Chicago.—Psychiatry (II.)—B.S., 1936.
- Mixter, Russell, Wheaton.—Anatomy (S.)—A.B., Wheaton College, 1928; M.S., Michigan State College, 1930.
- Montgomery, Max Malcolm, Chicago.—Pathology (II.)—B.S., University of Iowa, 1927; M.D., 1931.
- Mosko, Milton Mitchell, Chicago.—Physiological Chemistry (II.)—B.S., M.D., 1930, 1933.
- Muenning, Louise, Chicago.—Bacteriology (I.)—B.S., 1936.
- Munson, Mary Elizabeth, Springfield.—Psychology (I.)—A.B., Sweet Briar College, 1922.
- Niederman, Dorothy Jean, Chicago.—Pediatrics (S.I.II.)—B.S., 1937.
- Novak, Leo Joseph, Berwyn.—Physiological Chemistry (I.II.)—A.B., 1935.
- Okner, Janet Diane, Chicago.—Juvenile Behavior (I.)—A.B., University of Chicago, 1937.
- Olson, Stanley William, Rockford.—Medicine (S.I.II.)—B.S., Wheaton College, 1934.
- Osgood, Bessie Genevieve, Milford.—Physiological Chemistry (I.II.)—A.B., B.S., Indiana Central College, 1932, 1933.
- Passarelli, Edwin William, Chicago.—Medicine (S.)—B.S., M.D., Georgetown University, 1930, 1932.
- Patras, Mary Cornelia, Chicago.—Physiology (II.)—B.S., M.D., Loyola University, 1932, 1935.
- Pearlman, Maurice David, Chicago.—Medicine (S.I.II.)—B.S., 1936.
- Peltzer, Wesley Eugene, Oak Park.—Pathology (II.)—B.S., 1937.
- Penruddocke, Elizabeth Heathcote, Chicago.—Bacteriology (I.II.)—A.B., University of Alabama, 1928.
- Perce, Frances Crandell, Oak Park.—Juvenile Behavior (I.)—A.B., Smith College, 1928; M.S., 1937.
- Perlmutter, Harold Morris, Chicago.—Medicine (II.)
- Peters, Clifford Henry, Belvidere.—Pathology (II.)—B.S., 1937.
- Phillips, Milton Lambert, Chicago.—Psychology (S.)—A.B., Stanford University, 1936; A.M., 1937.
- Plater, Wade Richard, Evanston.—Orthodontia (S.I.)—D.D.S., 1924.
- Plattner, Edward Bernard, East St. Louis.—Physiology (I.II.)—B.S., 1937.
- Pollack, Seymour Lester, Chicago.—Physiological Chemistry (II.)
- Prohovnik, Julius, Chicago.—Anatomy (II.)—B.S., Loyola University, 1926; M.D., 1929.
- Rapoport, Anita Esther, Chicago.—Bacteriology (I.II.)—B.S., Lewis Institute, 1934.
- Reagan, Robert Earl, Benton Harbor, Michigan.—Surgery (S.)—B.S., M.D., M.S., 1928, 1930, 1937.
- Rest, David, Chicago.—Neurology (I.II.)—B.M.E., Northwestern University, 1931.
- Rheingold, Joseph Cyrus, Chicago.—Psychiatry (I.II.)—B.S., M.S., M.D., 1927, 1930, 1930.
- Richmond, Julius Benjamin, Chicago.—Physiology (S.I.II.)—B.S., 1937.

- Riser, Roy Otis, Chicago.—Ophthalmology (I.II.)—B.S., M.D., 1928, 1931.
- Roark, Samuel Paul, Bushnell.—Physiological Chemistry (I.)—B.S., University of Notre Dame, 1937.
- Rogowski, Edward Casimir, Chicago.—Pharmacology (II.)—B.S., 1936.
- Rossiter, Lewis James, Mattoon.—Surgery (I.II.)—A.B., 1935.
- Sachs, Mandel, Cicero.—Psychiatry (I.II.)—M.D., 1936.
- Samors, Josef Joel, Chicago.—Oral Surgery (S.I.)—D.D.S., 1927.
- Schleicher, Emil Maro, Chicago.—Medicine (I.II.)—A.B., Wayne University, 1935.
- Scuderi, Carlo Salvatore, Chicago.—Surgery (S.I.II.)—B.S., M.D., M.S., 1926, 1929, 1935.
- Seron, Suren Manooq, Joliet.—Oral Surgery (I.II.)—B.S., D.D.S., 1930, 1932.
- Shapiro, Arthur Joseph, Chicago.—Surgery (II.)
- Sharpe, Kenneth Palmer, Chicago.—Dental Pathology and Therapeutics (I.)—B.S., D.D.S., 1934, 1936.
- Shirer, Benjamin Franklin, Jr., Peoria.—Neurology (II.)—B.S., 1937.
- Shulruff, Joseph T., Chicago.—Surgery (II.)
- Simon, Albert Joseph, Geneva.—Physiological Chemistry (I.II.)—B.S., 1937.
- Singer, Winifred Mildred, Chicago.—Bacteriology (II.)—A.B., University of Southern California, 1936.
- Skorodin, Bernard, Chicago.—Psychiatry (I.II.)—B.S., M.D., 1930, 1931.
- Slaughter, Danely Philip, Chicago.—Surgery (II.)—B.S., M.D., 1933, 1936.
- Snyder, Roy Kenneth, Chicago.—Pharmacology (S.I.II.)—B.S., M.S., 1929, 1934.
- Sonenthal, Israel Ronald, Chicago.—Psychiatry (S.I.II.)—B.S., M.D., Northwestern University, 1932, 1935.
- Spellberg, Mitchell A., Chicago.—Medicine (S.I.II.)—B.S., M.D., Loyola University, 1932, 1934.
- Steck, Irving Elihu, Chicago.—Physiology (I.II.)—B.S., M.S., M.D., 1930, 1932, 1933.
- Steigmann, Frederick, Chicago.—Pharmacology (S.I.II.)—B.S., M.D., 1928, 1930.
- Stephan, Robert Marshall, Oak Park.—Physiological Chemistry (I.II.)—D.D.S., M.S., 1932, 1934.
- Stubenrauch, Charles Henry, Jr., Havana.—Pediatrics (I.II.)—B.S., 1936.
- Templeton, Roy DuPont, Elmhurst.—Pathology (I.II.)—B.S., University of Chicago, 1923.
- Thorek, Philip, Chicago.—Surgery (I.)—B.S., M.D., 1928, 1931.
- Ury, Boris Sergei, Chicago.—Neurology and Neurological Surgery (S.I.II.)—B.S., University of Chicago, 1935.
- Vaichulis, John Anthony, Chicago.—Pathology (I.II.)—B.S., University of Notre Dame, 1929; M.S., 1935.
- Vicher, Edward Ernest, Berwyn.—Bacteriology (I.II.)—B.S., M.S., 1935, 1937.
- Visscher, Lois Helena, Evanston.—Physiology (II.)
- Wach, Edward Charles, Chicago.—Physiological Chemistry (I.II.)—Ph.G., D.D.S., 1907, 1923.
- Wade, Chester, Chicago.—Psychiatry (II.)—B.S., M.S., M.D., 1934, 1936, 1937.
- Wall, Harry Charles, Chicago.—Medicine (II.)—M.D., Rush Medical College, 1937.
- Walter, Leroy Eugene, Chicago.—Physiological Chemistry (II.)
- Wassermann, David, Chicago.—Obstetrics and Gynecology (S.)—B.S., B.M., M.S., 1935, 1937, 1937.
- Weber, Richard Denis, Chicago.—Medicine (I.)—M.D., Northwestern University, 1937.
- Weichselbaum, Paul K., Chicago.—Physiological Chemistry (S.I.II.)—B.S., 1935.
- Weinberg, Benjamin Abra, Chicago.—Surgery (II.)—B.S., 1936.
- Weinglass, Albert Robert, Chicago.—Physiology (II.)
- Weinstein, Roy Cyril, Chicago.—Physiology (I.II.)—B.S., 1936.
- Weir, Homer Fauquier, Decatur.—Pediatrics (S.I.II.)—A.B., 1935.
- Weiss, Alvin, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.
- Weiss, Eugene, Chicago.—Bacteriology (II.)
- White, Harvey, Chicago.—Physiology (II.)
- Whitted, Vera Grace, Gilman.—Education (II.)—A.B., 1935.
- Wienman, George Joseph, Dixon.—Anatomy (II.)—B.S., 1936.
- Winer, Jane Ruth, Chicago.—Pathology (II.)
- Witter, Victor, Chicago.—Oral Surgery (II.)—B.S., D.D.S., 1932, 1934.
- Wolf, Glenn Clarence, Naperville.—Bacteriology (S.I.II.)—A.B., 1936.
- Wolff, John Robert, Chicago.—Obstetrics and Gynecology (S.I.II.)—M.D., Northwestern University, 1931.
- Yesinick, Louis, Chicago.—Physiology (S.II.)—B.S., University of Chicago, 1936.
- Young, Viola Mae, Chicago.—Bacteriology (II.)—B.S., Michigan State College, 1936.
- Zitman, Irving Herman, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.

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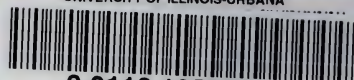
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